

**THE FIREARMS AND  
AMMUNITION SECTOR  
FOR SPORTING, HUNTING,  
AND CIVILIAN USE  
IN EUROPE**

**Volume I**

Edited by  
Fabio Musso  
Marco Cioppi  
Barbara Francioni  
Ilaria Curina  
Sara Ferracci

**FrancoAngeli**



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Fabio Musso  
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ANALYSIS OF THE ECONOMIC,  
MARKETING, AND ORGANIZATIONAL  
ASPECTS OF THE CIVILIAN FIREARMS  
AND AMMUNITION INDUSTRY  
IN THE EUROPEAN COMMUNITY





# INTRODUCTION

This study represents the first comprehensive attempt to analyze the European firearms and ammunition industry, covering 30 countries (the 27 EU Member States, along with Norway, Switzerland, and the United Kingdom).

Specifically, the study aims to reach four main objectives:

- To analyze the European firearms and ammunition industry for civilian use, with particular attention to its production and distribution systems;
- To assess the economic and employment impact of the industry (including its supply chain) in terms of turnover and number of employees;
- To estimate the value of sectors related to sporting and hunting activities, where the use of firearms and ammunition is essential, encompassing both associated products (e.g., clothing, accessories, etc.) and services (e.g., shooting ranges, veterinary services, etc.);
- To calculate the ripple effect, namely the broader economic and employment impact generated by the consumption patterns of employees within the analyzed sectors, thereby contributing to the wider economy through a multiplier effect.

The research was conducted between 2023 and 2025, with 2021 as the key reference year. For each country, the sources consulted are identified and detailed within the corresponding national reports.

From a methodological perspective, the analysis of the economic relevance of the sector—and of the industries driven by final demand—required an approach capable of addressing several challenges. These included the heterogeneity of available data, the limited availability of information distinguishing civilian from military uses of firearms and ammunition, and the reluctance of industry and institutional stakeholders to disclose sensitive or confidential information.

In addition, for sectors linked to final demand, it was frequently necessary to estimate, on a case-by-case basis, the share of turnover (and employment) specifically attributable to sporting and hunting activities. This step was particularly important in cases where the sectors under examination served multiple functions or types of demand, posing challenges for direct contribution.

Accordingly, two distinct analytical approaches were adopted:

1. ***Production of firearms and ammunition:*** to estimate the value of the sector associated with the production of firearms and ammunition (including its related supply and

distribution systems), the analysis began with the turnover of manufacturing firms, which inherently includes the value of intermediate and capital goods. To this amount, the margins of commercial intermediaries and the value of indirect taxes (e.g., VAT) were added. Exported components were also included, as their contribution is not reflected in the final product's value. To estimate employment, the analysis considered not only the number of workers directly involved in manufacturing but also those employed by suppliers of raw materials, intermediate goods, and capital goods (proportionally to the share absorbed by the sector), as well as employees in commercial intermediation;

2. ***Products and services related to final demand:*** to evaluate the value of sectors related to products and services used for sporting and hunting activities (see Fig. 1.INT), the analysis was based on estimated end-user demand. This includes the cost of goods and services, relevant taxes and duties, and the added value from intermediaries. Employment in these sectors was estimated by calculating the share of turnover attributable to hunting and sport shooting activities relative to total sector turnover and applying the same proportion to overall employment.

To determine the total value of the sector and related industries, the final production value of firearms and ammunition was combined with the final demand value generated by sporting and hunting activities. Since both figures incorporate the value of intermediate goods, they provide a comprehensive measure of the sector's direct economic impact (core sector) as well as its indirect impact (supply chain, sub-suppliers, and intermediaries).

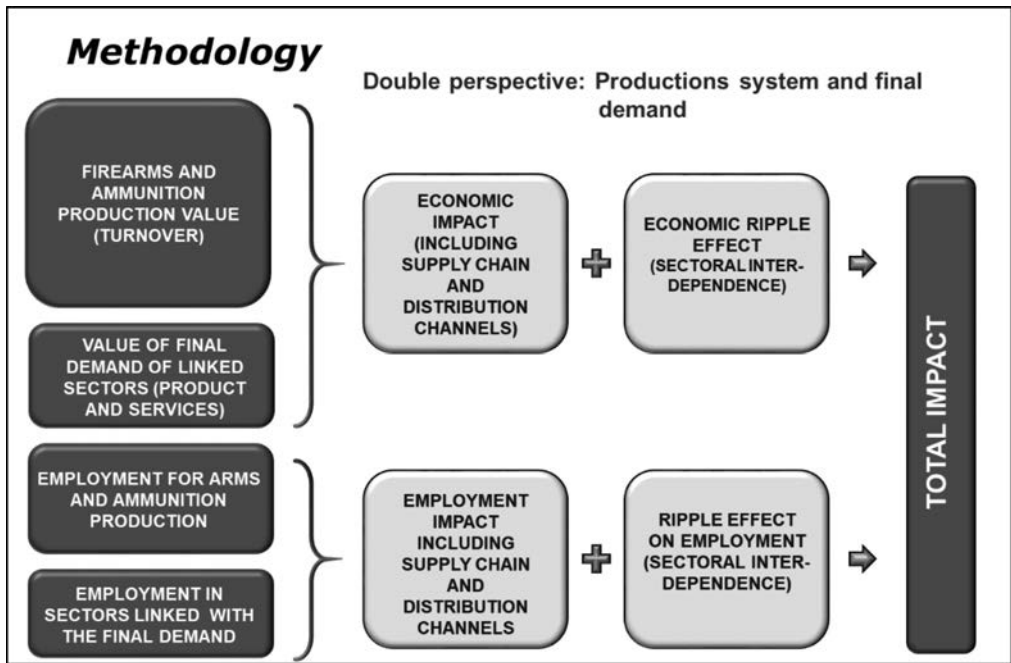
Moreover, the induced economic impact was analyzed (namely, the value of consumer demand generated by the income of workers employed in the sector), which in turn stimulates production in consumer goods industries. This component was evaluated using a sectoral input-output matrix that captures interdependencies across industries.

Similarly, the total employment impact of the sector and its related industries was estimated by aggregating the number of workers employed in firearms and ammunition production, those in supply and distribution chains, and those in sectors driven by final demand. This made it possible to identify both direct and indirect employment effects. An estimate of the induced employment impact was also included, measuring the employment generated in sectors supplying goods and services to workers employed in the firearms-related industries.

Overall, this integrated approach made it possible to identify the overall contribution of the sector to the European economy, both in terms of production value and employment.

Figure 1.INT shows and synthesizes the adopted methodology.

Fig. 1.INT – Methodology of the study



Structurally, the study is organized into 30 country-specific reports, each corresponding to one of the countries analyzed. Every report follows a standardized structure, comprising nine thematic chapters.

More specifically:

- **Chapter 1** examines the national firearms manufacturing sector, including the number of companies, trade flows, employment, and turnover.
- **Chapter 2** focuses on the ammunition production sector, covering similar indicators such as company profiles, imports, exports, and domestic market dynamics.
- **Chapter 3** explores the production of components and the role of both specialized and generic suppliers within the industry.
- **Chapter 4** investigates auxiliary sectors, including machinery manufacturing and support services such as logistics and retail networks.
- **Chapter 5** provides an assessment of the overall economic and employment impact of both core and auxiliary sectors.
- **Chapter 6** analyzes the economic relevance of sporting and hunting activities.
- **Chapter 7** estimates employment in sectors supplying goods related to sporting and hunting activities, such as clothing, accessories, and equipment.
- **Chapter 8** extends the employment analysis to service sectors linked to final demand, including associations, ranges, and communication channels.
- **Chapter 9** integrates the findings to present the overall economic and employment impact of the sector, including induced effects and the sector's contribution to the national economy.



# AUSTRIA

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## CHAPTER 1: THE AUSTRIAN PRODUCTION OF FIREARMS AND COMPANIES IN THE SECTOR

### 1.1 Introduction

In this chapter, a detailed overview of the firearms and ammunition industry in Austria is provided, presenting data regarding the number of manufacturing companies, the corresponding employment, and the production output. The production analysis encompasses both the volume, measured by the annual quantity of units produced, and the value associated with this production. Additionally, import-export activities have been considered to offer a comprehensive measurement of the sector's value.

To achieve these objectives, the present analysis has relied on the following sources for both the identification and estimation of the required data:

- *For the estimation of the number of firearms manufacturing companies, employees, and turnover:* TradeMap website<sup>1</sup>; two specific databases of the most important outdoor trade shows (i.e., IWA 2024<sup>2</sup>; Shot Show 2024<sup>3</sup>); the Ammoterra B2B platform; the average of the export percentage of the countries for which we have specific data available; the Italian research (2019);
- *For the identification of the number of ammunition manufacturing companies, employees, and turnover:* AFEMS (Association of European Manufacturers of Sporting Ammunition)<sup>4</sup>; TradeMap website; two specific databases of the most important outdoor trade shows (i.e., IWA 2024; Shot Show 2024); the Ammoterra B2B platform; the average of the export percentage of the countries for which we have specific data available<sup>5</sup>; the Italian research (2019);
- *For the identification of import-export activities:* The World Integrated Trade Solution (WITS)<sup>6</sup> and TradeMap websites, online platforms that provide trade statistics and analysis. They offer access to a wide range of international trade data, including information on imports, exports, and trade balances for various countries and regions.

## 1.2 The firearms manufacturing companies in Austria

With specific reference to firearms manufacturing companies, given that data had not been made available by the national firearms associations, we have identified the main Austrian firms through the consultation of four specific databases: two databases of the most important outdoor trade shows (IWA 2024; Shot Show 2024), Trademap website, and Ammoterra B2B platform.

In particular, there are seven main firearms manufacturing companies within the country, namely Glock Ges.m.b.H. Rößler Waffen GmbH, Steyr Sport GmbH, Voere, Joh. Springer's Erben Handels GmbH, Fuchs Fine Guns, HMS Strasser.

**Glock Ges.m.b.H.**<sup>7</sup>, founded in 1963 by Gaston Glock in Deutsch-Wagram, is one of the world's leading firearms manufacturers, renowned for its pistols favored by military, law enforcement, and civilian markets globally. Originally starting with military and police knives, the company made its foray into firearm design in the early 1980s, creating the Glock 17—its first semi-automatic pistol for the Austrian Army. The Glock 17 became revolutionary for its polymer frame and “Safe Action” system, making it lightweight, durable, and reliable, even in harsh conditions. Today, Glock continues to produce a range of pistols, with variations in size, caliber, and capacity, each adhering to a commitment to simplicity, safety, and reliability. The company's innovations in

<sup>1</sup> <https://www.trademap.org/>

<sup>2</sup> <https://www.iwa.info/en>

<sup>3</sup> <https://shotshow.org/>

<sup>4</sup> This organization represents the interests of European manufacturers of sporting ammunition, addressing various industry-related issues such as regulatory matters, safety standards, and the promotion of responsible manufacturing practices (<https://www.afems.org/>).

<sup>5</sup> See note 1.

<sup>6</sup> <https://wits.worldbank.org/Default.aspx?lang=en>

<sup>7</sup> <https://eu.glock.com/en>

polymer technology and its focus on robust, user-friendly design have established Glock as a dominant name in the global firearms market, with millions of its pistols in use across more than 100 countries.

**Rößler Waffen GmbH**<sup>8</sup> is a firearms manufacturer based in Kufstein, renowned for crafting high-quality hunting and precision rifles. Founded in 1996 by the Rößler family, the company specializes in the production of modular bolt-action rifles, particularly the Titan series. Known for its focus on quality, precision, and customization, Rößler rifles are designed for adaptability, allowing users to switch between calibers and customize various aspects of the rifle to suit different types of hunting and shooting preferences. The Titan rifles, the company's flagship series, are highly respected for their reliability and accuracy, as well as for using advanced materials and manufacturing techniques. Rößler Waffen has earned a loyal following in Europe and beyond, appealing to hunting enthusiasts and precision shooters who value craftsmanship and performance in a firearm.

**Steyr Sport GmbH**<sup>9</sup> is a globally respected manufacturer of precision air rifles and pistols. Originally a part of the renowned Steyr Mannlicher, Steyr Sport specializes in high-quality, competitive shooting equipment. The company's airguns are particularly celebrated in the world of professional target shooting, where their accuracy and reliability make them a top choice for competitive shooters, including Olympians. The hallmark of Steyr Sport's products lies in their precision engineering, ergonomic design, and innovative technology, including electronic trigger systems and advanced stabilization features. Their models, such as the Steyr LP10 pistol and the Steyr Challenge air rifle, are well-regarded for consistency and comfort, allowing athletes to perform at their best in high-stakes environments. Steyr Sport GmbH's dedication to excellence has solidified its reputation as a leader in precision sports shooting equipment on the global stage.

**Voere**<sup>10</sup> is known for its high-quality rifles and innovative designs. Founded in the mid-20th century, Voere has built a reputation for producing precision firearms, with models ranging from hunting rifles to specialized tactical and sporting firearms. Voere's expertise spans bolt-action rifles, modular systems, and even electronic firing systems, making them pioneers in integrating advanced technology with traditional firearm craftsmanship. One of their standout products is the Voere X3, a modular rifle system that allows for caliber interchangeability, catering to shooters who value versatility and precision. Voere has also explored electronic firing mechanisms and high-performance materials, underscoring its commitment to modern engineering. Located in Kufstein, Austria, Voere maintains a strong focus on quality and innovation, serving both civilian and professional markets worldwide.

**Joh. Springer's Erben Handels GmbH**<sup>11</sup>, established in 1836 and headquartered in Vienna, is one of Europe's oldest and most prestigious gunmakers. Known for its handcrafted, high-quality hunting and sporting firearms, Springer's produces bespoke shotguns, rifles, and custom firearms that blend traditional craftsmanship with modern precision. The company's expertise covers both new creations and restoration of historic firearms, making them highly regarded among collectors and enthusiasts worldwide. In addition to custom firearms, Joh. Springer's Erben operates a distinguished firearms dealership, offering a curated selection of luxury guns from top brands and

<sup>8</sup> <https://www.titan6.com/>

<sup>9</sup> <https://www.steyr-sport.com/de/>

<sup>10</sup> <http://voere.com/en/>

<sup>11</sup> <https://www.springer-vienna.com/>



providing specialized services such as gunsmithing, engraving, and client consultations. The company is celebrated for its dedication to heritage, quality, and precision in the world of fine firearms.

**Fuchs Fine Guns**<sup>12</sup> is a bespoke firearm manufacturer, known for crafting high-quality, custom-made hunting and sporting rifles. Established by passionate gunmaker Peter Fuchs, the company combines traditional craftsmanship with precision engineering to produce firearms that emphasize both performance and aesthetic appeal. Each rifle is meticulously handcrafted, allowing for a high level of personalization based on individual client specifications, from wood selection to detailed engravings. Fuchs Fine Guns focuses on precision, durability, and elegance, aiming to create firearms that are not only reliable tools for the field but also works of art. The company has gained a reputation among discerning hunters and collectors who seek firearms that reflect both advanced functionality and refined craftsmanship.

**HMS Strasser**<sup>13</sup> is a firearms manufacturer known for its innovative, precision-engineered hunting rifles. The company is particularly recognized for its straight-pull bolt-action rifle system, which allows for faster cycling and reloading than traditional bolt-action mechanisms. Strasser rifles, such as the RS 14 model, offer modularity, allowing hunters to easily switch calibers and configurations to suit various hunting environments and game. Strasser places a strong emphasis on high-quality materials and advanced manufacturing processes, ensuring each firearm’s reliability, accuracy, and longevity. The company’s commitment to innovation and precision has made Strasser rifles popular among hunters and sport shooters looking for versatility and superior performance in the field.

Tab. 1.AT – Main civilian firearms manufacturing companies

No.	Company name	Type of firearm
1.	Glock Ges.m.b.H. 455	Pistol, revolvers
2.	Rößler Waffen GmbH 4	Rifles
3.	Steyr Sport GmbH fino a 25	Air rifles and pistols
4.	Voere	Rifles
5.	Joh. Springer’s Erben Handels GmbH	Shotgun, rifles
6.	Fuchs Fine Guns	Rifles
7.	HMS Strasser	Rifles

1.3 Firearms exports

The export analysis was conducted based on data sourced from the TradeMap website<sup>14</sup>. In particular, the following HS subcategories<sup>15</sup> have been considered:

- 930200: Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes);
- 930310: Muzzle-loading firearms, neither designed nor suitable for projecting cartridges;

<sup>12</sup> <https://fuchsfineguns.com/>  
<sup>13</sup> <https://www.hms-strasser.com/en/>  
<sup>14</sup> <https://www.trademap.org/Index.aspx>  
<sup>15</sup> The TradeMap platform adopts the Harmonized System (HS) categorization.

- 930320: Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns);
- 930330: Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns);
- 930390: Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military firearms).

Subsequently, data concerning both worldwide exports and the primary destination country have been taken into account. The reference years were 2021 and 2022 (estimated). The data under consideration include values in euros and quantities in units. The following analysis is based on the 2021 data.

Tab. 2.AT – Export trend for 2021 and 2022 (estimated) related to the firearms industry

CATEGORY	Exp. 2021 in quantities (Units)	Exp. 2022 in quantities (Units)	Exp. 2021 in Euro	Exp. 2022 in Euro
930200: Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes) <i>WORLD</i>	1,793,799	1,652,736	409,983,519	391,163,125
930200: Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes) <i>USA</i>	1,688,960	1,471,940	375,476,849	330,200,264
<b>REVOLVERS AND PISTOLS</b>	<b>1,793,799</b>	<b>1,652,736</b>	<b>409,983,519</b>	<b>391,163,125</b>
930310: Muzzle-loading firearms, neither designed nor suitable for projecting cartridges <i>WORLD</i>	118	/	19,000	/
930310: Muzzle-loading firearms, neither designed nor suitable for projecting cartridges <i>SPECIAL CATEGORIES</i>	118	/	19,000	/
930320: Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns) <i>WORLD</i>	4,985	/	3,293,000	3,263,000
930320: Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns) <i>GERMANY</i>	1,438	/	950,000	677,000
930330: Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns) <i>WORLD</i>	27,730	17,858	16,021,000	13,473,000
930330: Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns) <i>USA</i>	5,034	1,871	2,909,000	1,411,000
<b>HUNTING AND SPORTING LONG WEAPONS; REPLICAS AND MUZZLE-LOADING</b>	<b>32,833</b>	<b>17,858</b>	<b>19,333,000</b>	<b>16,736,000</b>

930390: Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military weapons) <i>WORLD</i>	82,923	/	5,675,000	5,387,000
930390: Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military weapons) <i>SPECIAL CATEGORIES</i>	82,923	/	5,675,000	5,387,000
<b>OTHER FIREARMS</b>	<b>82,923</b>	<b>/</b>	<b>5,675,000</b>	<b>5,387,000</b>
<b>TOTAL</b>	<b>1,909,555</b>	<b>1,670,594</b>	<b>434,991,519</b>	<b>413,286,125</b>

Exports of *Revolvers and pistols* (930200) were 1,793,799 units worldwide in 2021, with a value of 409,983,519 euros. The estimated quantity for 2022 is 1,652,736 units, with a reduced value of 391,163,125 euros. Exports to the USA were 1,688,960 units in 2021, valued at 375,476,849 euros, with a decrease to 1,471,940 units in 2022, and a value of 330,200,264 euros.

In 2021, global exports of *muzzle-loading firearms* (930310) totaled 118 units, valued at 19,000 euros. The data for 2022 is not available.

For *sporting, hunting, or target-shooting shotguns with at least one smooth barrel* (930320), worldwide exports in 2021 were 4,985 units, with a total value of 3,293,000 euros. The estimated figures for 2022 show a decrease to 3,263,000 euros. In Germany, imports were 1,438 units in 2021, valued at 950,000 euros, with an expected decrease to 677,000 euros in 2022.

Exports of *sporting, hunting, and target-shooting shotguns with one or more rifled bores* (930330) were 27,730 units worldwide in 2021, with a value of 16,021,000 euros. The estimated quantity for 2022 is 17,858 units, with a reduced value of 13,473,000 euros. In the USA, imports were 5,034 units in 2021, valued at 2,909,000 euros, with a forecasted decrease to 1,871 units in 2022, and a value of 1,411,000 euros.

For *firearms and similar devices which operate by the firing of an explosive charge* (930390), global exports amounted to 82,923 units in 2021, valued at 5,675,000 euros. The 2022 estimate shows a decrease to 5,387,000 euros.

In total, exports for these categories in 2021 were 1,909,555 units, with a value of 434,991,519 euros. The estimated total for 2022 is 1,670,594 units, with a reduced value of 413,286,125 euros.

## 1.4 Firearms imports

Similar to the export analysis, data for the following HS subcategories was extracted from the TradeMap database:

- 930200: Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes);
- 930310: Muzzle-loading firearms, neither designed nor suitable for projecting cartridges;
- 930320: Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns);

- 930330: Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns);
- 930390: Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military firearms).

Tab. 3.AT – Import trend for 2021 and 2022 (estimated) related to the firearms industry

CATEGORY	Imp. 2021 in quantities (Units)	Imp. 2022 in quantities (Units)	Imp. 2021 in Euro	Imp. 2022 in Euro
<b>930200:</b> Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes) <i>WORLD</i>	25,736	27,555	9,597,000	11,993,000
930200: Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes) <i>GERMANY</i>	5,813	11,234	4,095,113	4,890,000
<b>REVOLVERS AND PISTOLS</b>	<b>25,736</b>	<b>27,555</b>	<b>9,597,000</b>	<b>11,993,000</b>
<b>930310:</b> Muzzle-loading firearms, neither designed nor suitable for projecting cartridges <i>WORLD</i>	125	54	21,000	13,000
930310: Muzzle-loading firearms, neither designed nor suitable for projecting cartridges <i>GERMANY</i>	86	34	14,000	9,000
<b>930320:</b> Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns) <i>WORLD</i>	7,901	10,881	4,642,000	7,045,000
930320: Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns) <i>GERMANY</i>	2,648	3,962	1,556,000	2,565,000
<b>930330:</b> Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns) <i>WORLD</i>	30,852	32,522	15,227,000	19,451,000
930330: Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns) <i>GERMANY</i>	/	17,229	/	10,305,000
<b>HUNTING AND SPORTING LONG WEAPONS; REPLICAS AND MUZZLE-LOADING</b>	<b>38,878</b>	<b>43,457</b>	<b>19,890,000</b>	<b>26,509,000</b>
<b>930390:</b> Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military weapons) <i>WORLD</i>	/	/	1,019,000	1,212,000

930390: Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military weapons) <i>GERMANY</i>	/	/	658,000	504,000
<b>OTHER FIREARMS</b>	/	/	<b>1,019,000</b>	<b>1,212,000</b>
<b>TOTAL</b>	<b>64,614</b>	<b>71,012</b>	<b>30,506,000</b>	<b>39,714,000</b>

In 2021, global imports of *revolvers and pistols* (930200) totaled 25,736 units, valued at 9,597,000 euros. The estimated figures for 2022 show an increase to 27,555 units, with a value of 11,993,000 euros. In 2021, Germany was the most prominent market for this specific category (5,813 units, valued at 4,095,113 euros).

For *muzzle-loading firearms* (930310), global imports were 125 units in 2021, with a value of 21,000 euros. The estimate for 2022 is a decrease to 54 units, valued at 13,000 euros. In Germany specifically, exports of muzzle-loading firearms in 2021 were 86 units, valued at 14,000 euros, with a forecasted reduction to 34 units in 2022, valued at 9,000 euros.

Imports of *sporting, hunting, or target-shooting shotguns with at least one smooth barrel* (930320) were 7,901 units globally in 2021, valued at 4,642,000 euros. The 2022 estimate shows an increase to 10,881 units, with a value of 7,045,000 euros. In Germany, imports of this category were 2,648 units in 2021, valued at 1,556,000 euros, and are expected to rise to 3,962 units in 2022, valued at 2,565,000 euros.

For *sporting, hunting, and target-shooting shotguns with one or more rifled bores* (930330), global imports in 2021 were 30,852 units, valued at 15,227,000 euros. The estimate for 2022 shows an increase to 32,522 units, with a value of 19,451,000 euros.

For *firearms and similar devices which operate by the firing of an explosive charge* (930390), global imports amounted to 1,019,000 euros. The estimate for 2022 is equal to 1,212,000 euros. In Germany, exports were valued at 658,000 euros and are expected to decrease to 504,000 euros.

Overall, the total imports for these categories in 2021 were 64,614 units, with a value of 30,506,000 euros. The estimated total for 2022 is 71,012 units, with a value of 39,714,000 euros.

## 1.5 The trade balance surpluses/deficits

*Revolvers and pistols* (930200) had exports of 409,983,519 euros and imports of 9,597,000, leading to a significant trade balance of 400,386,519 euros.

*Muzzle-loading firearms, not designed or suitable for projecting cartridges* (930310), had exports valued at 19,000 euros and imports worth 21,000 euros, leading to a trade deficit of 2,000 euros.

*Sporting, hunting, or target-shooting shotguns with at least one smooth barrel (excluding muzzle-loading firearms and spring, air, or gas guns)* (930320) had exports of 3,293,000 euros and imports of 4,642,000 euros, resulting in a trade deficit of 1,349,000 euros.

*Sporting, hunting, and target-shooting shotguns with one or more rifled bores (excluding spring, air, or gas guns)* (930330) had exports of 16,021,000 euros and imports of 15,227,000 euros, yielding a trade surplus of 794,000 euros.

*Firearms and similar devices that operate by the firing of an explosive charge (excluding sporting, hunting or target-shooting rifles, revolvers, and pistols of heading 9302 and military firearms)*

(930390) had exports of 5,675,000 euros and imports of 1,019,000 euros, resulting in a trade surplus of 4,656,000 euros.

Overall, the total trade balance across these categories was 404,485,519 euros, with exports totaling 434,991,519 euros and imports amounting to 30,506,000 euros.

*Tab. 4.AT – Trade balance for 2021 and 2022 (estimated) related to the firearms industry*

CATEGORY	Exp. 2021 in euros	Imp. 2021 in euros	Trade balance 2021 in euros
<b>930200:</b> Revolvers and pistols (excl. those of heading 9303 or 9304 and sub-machine guns for military purposes)	409,983,519	9,597,000	400,386,519
<b>REVOLVERS AND PISTOLS</b>	<b>409,983,519</b>	<b>9,597,000</b>	<b>400,386,519</b>
<b>930310:</b> Muzzle-loading firearms, neither designed nor suitable for projecting cartridges	19,000	21,000	-2,000
<b>930320:</b> Sporting, hunting or target-shooting shotguns, with at least one smooth barrel (excl. muzzle-loading firearms and spring, air or gas guns)	3,293,000	4,642,000	-1,349,000
<b>930330:</b> Sporting, hunting and target-shooting shotguns with one or more rifled bores (other than spring, air or gas guns)	16,021,000	15,227,000	794,000
<b>HUNTING AND SPORTING LONG FIREARMS; REPLICAS AND MUZZLE-LOADING</b>	<b>19,333,000</b>	<b>19,890,000</b>	<b>-557,000</b>
<b>930390:</b> Firearms and similar devices which operate by the firing of an explosive charge (excl. sporting, hunting or target-shooting rifles, revolvers and pistols of heading 9302 and military firearms)	5,675,000	1,019,000	4,656,000
<b>OTHER FIREARMS</b>	<b>5,675,000</b>	<b>1,019,000</b>	<b>4,656,000</b>
<b>TOTAL</b>	<b>434,991,519</b>	<b>30,506,000</b>	<b>404,485,519</b>

## 1.6 Number of employees involved in the production of firearms

To quantify the number of employees in companies engaged in firearms production, a desk analysis was conducted, which identified a total of 607 employees<sup>16</sup>.

## 1.7 The turnover of firearms manufacturing companies

Considering the similarities between Italy and Austria, to calculate the turnover of Austrian firearms manufacturing companies, we have proportioned the turnover based on Italy's export percentage, which is 86.81%. Overall, the total turnover is equal to 501,084,574 euros.

<sup>16</sup> Sources adopted: official websites of the identified companies and specific global business directory databases that provides detailed company information and business intelligence from across the world.

1.8 Domestic market wholesale value

The relationship between production value data and import-export values allows for the estimation of the wholesale value of the domestic market. This involves subtracting the industry’s turnover from export value and adding import value. In other words, it calculates the value at factory price and import prices for firearms manufactured by both domestic and foreign companies. For firearms, considering that i) the total turnover is 501,084,574 euros; ii) the export value is 434,991,519 euros; iii) the total import is 30,506,000 euros, the wholesale value of the domestic market (excluding importers’ margins) stands at 96,599,055 euros.

CHAPTER 2: THE PRODUCTION OF AMMUNITION IN AUSTRIA

2.1 The ammunition manufacturing companies in Austria

Similarly to the analysis conducted for the firearms production, for the ammunition sector the number of companies, the employees involved, the production in terms of value and volume, and the import-export flows were considered. By adopting the same criteria, we identified one Austrian company that specifically produces civilian ammunition.

More in detail, *ARMAPRIME*<sup>17</sup> is a manufacturer of high-quality ammunition. The company specializes in producing precision-engineered ammunition for a variety of shooting disciplines, including hunting, sports shooting, and self-defense. ARMAPRIME is known for its use of advanced manufacturing technologies, such as automated processes and rigorous quality control, ensuring the consistency and reliability of their products. The company offers a range of calibers, including pistol, rifle, and shotgun ammunition, tailored to meet the specific needs of different types of shooters. ARMAPRIME ammunition is praised for its accuracy, performance, and dependability, which has made it a preferred choice for both professional and recreational shooters. Their products are designed to perform well in high-pressure situations, whether in competitive environments or practical applications.

Tab. 5.AT – Main civilian ammunition manufacturing companies

No. Company name	Type of ammunition
1. ARMAPRIME	Ammunitions

2.2 Ammunition exports

The analysis of exports and imports has been conducted, as for firearms, using the data obtained from the TradeMap platform. The categories utilized were specifically related to civilian ammunition and their parts, excluding military ammunition and merchandise categories unrelated to ammunition. In particular, the following categories were considered:

<sup>17</sup> <https://www.armacprime.com/>



- 930621: Cartridges for smooth-barrelled shotguns;
- 930629: Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols;
- 930630: Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof.

Tab. 6.AT – Export trend for 2021 and 2022 (estimated) related to the ammunition industry

CATEGORY	Exp. 2021 in quantities (Tons)	Exp. 2022 in quantities (Tons)	Exp. 2021 in Euro	Exp. 2022 in Euro
<b>930621:</b> Cartridges for smooth-barrelled shotguns <i>WORLD</i>	27	/	414,000	/
930621: Cartridges for smooth-barrelled shotguns <i>USA</i>	21	/	299,000	/
<b>930629:</b> Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols <i>WORLD</i>	97	102	1,314,000	1,545,000
930629: Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols <i>UK</i>	30	22	402,000	418,000
<b>930630:</b> Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof <i>WORLD</i>	656	263	19,819,000	3,769,000
930630: Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof <i>GERMANY</i>	78	3	5,513,000	83,000
<b>TOTAL</b>	<b>780</b>	<b>365</b>	<b>21,547,000</b>	<b>5,314,000</b>

In 2021, global exports of *cartridges for smooth-barrelled shotguns* (930621) amounted to 27 tons, valued at 414,000 euros. The USA accounted for 21 tons of this total, with a value of 299,000 euros. Data for 2022 is not available.

For parts of *cartridges for smooth-barrelled shotguns and lead shot for air rifles and pistols* (930629), Austria exported globally 97 tons in 2021, valued at 1,314,000 euros. The estimation for 2022 shows an increase to 102 tons, with a value of 1,545,000 euros. The UK imported 30 tons in 2021, valued at 402,000 euros, with an estimated decrease to 22 tons in 2022, valued at 418,000 euros.

In the category of *cartridges for smooth-barrelled shotguns, revolvers, and pistols, including cartridges for riveting tools or captive-bolt humane killers* (930630), global exports reached 656 tons in 2021, valued at 19,819,000 euros. The estimate for 2022 shows a significant decrease to 263 tons, with a value of 3,769,000 euros. Germany imported 78 tons in 2021, valued at 5,513,000 euros, with a drastic reduction to 3 tons in 2022, valued at 83,000 euros.



Overall, the total exports in these categories amounted to 780 tons in 2021, valued at 21,547,000 euros, while the estimated totals for 2022 show a decrease to 365 tons, valued at 5,314,000 euros.

## 2.3 Ammunition imports

The same categories were also used for the importing analysis, always regarding both global imports and the first country of origin.

Tab. 7.AT – Import trend for 2021 and 2022 (estimated) related to the ammunition industry

CATEGORY	Imp. 2021 in quantities (Tons)	Imp. 2022 in quantities (Tons)	Imp. 2021 in Euro	Imp. 2022 in Euro
<b>930621:</b> Cartridges for smooth-barrelled shotguns <i>WORLD</i>	1,011	1,748	5,855,000	9,625,000
930621: Cartridges for smooth-barrelled shotguns <i>ITALY</i>	394	468	1,943,000	2,538,000
<b>930629:</b> Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols <i>WORLD</i>	444	228	2,244,000	2,929,000
930629: Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols <i>TAIPEI, CHINESE</i>	46	84	566,000	1,167,000
<b>930630:</b> Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof <i>WORLD</i>	1,404	1,881	28,121,000	34,002,000
930630: Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof <i>SPECIAL CATEGORIES</i>	758	/	12,571,000	/
<b>TOTAL</b>	<b>2,859</b>	<b>3,857</b>	<b>36,220,000</b>	<b>46,556,000</b>

In 2021, global imports of *cartridges for smooth-barrelled shotguns* (930621) amounted to 1,011 tons, valued at 5,855,000 euros. The estimate for 2022 shows an increase to 1,748 tons, with a value of 9,625,000 euros. Italy contributed 394 tons of this total in 2021, valued at 1,943,000 euros, with an estimated increase to 468 tons in 2022, valued at 2,538,000 euros.

For parts of *cartridges for smooth-barrelled shotguns and lead shot for air rifles and pistols* (930629), global imports were 444 tons in 2021, valued at 2,244,000 euros. The estimation for 2022 predicts a decrease to 228 tons, but an increase in value to 2,929,000 euros. Taipei, Chinese, exported 46 tons in 2021, valued at 566,000 euros, with an estimated rise to 84 tons in 2022, valued at 1,167,000 euros.

In the category of *cartridges for smooth-barrelled shotguns, revolvers, and pistols, including cartridges for riveting tools or captive-bolt humane killers* (930630), global imports were 1,404 tons in 2021, valued at 28,121,000 euros. The estimated total for 2022 shows an increase to 1,881 tons, with a value of 34,002,000 euros. Exports listed under special categories accounted for 758 tons in 2021, valued at 12,571,000 euros, with no data available for 2022.

Overall, the total global imports in these categories amounted to 2,859 tons in 2021, valued at 36,220,000 euros, with an estimated increase to 3,857 tons in 2022, valued at 46,556,000 euros.

## 2.4 The trade balance surpluses/deficits

In 2021, the trade balance for the export and import of ammunition and related parts in the specified categories shows a significant deficit.

For *cartridges for smooth-barrelled shotguns* (930621), exports amounted to 414,000 euros, while imports were much higher at 5,855,000 euros, resulting in a trade deficit of 5,441,000 euros.

In the case of *parts of cartridges for smooth-barrelled shotguns and lead shot for air rifles and pistols* (930629), exports reached 1,314,000 euros, whereas imports totaled 2,244,000 euros, creating a deficit of 930,000 euros.

*Cartridges for smooth-barrelled shotguns, revolvers, pistols, and cartridges for riveting tools or captive-bolt humane killers* (930630) had exports valued at 19,819,000 euros, while imports were significantly higher at 28,121,000 euros, leading to a trade deficit of 8,302,000 euros.

Overall, the total exports for these categories were 21,547,000 euros, with imports amounting to 36,220,000 euros, resulting in a total trade deficit of 14,673,000 euros.

Tab. 8.AT – Trade balance trend for 2021 and 2022 (estimated) related to the ammunition industry

CATEGORY	Exp. 2021 in Euro	Imp. 2021 in Euro	Trade balance 2021 in Euro
<b>930621:</b> Cartridges for smooth-barrelled shotguns	414,000	5,855,000	–5,441,000
<b>930629:</b> Parts of cartridges for smooth-barrelled shotguns; lead shot for air rifles and pistols	1,314,000	2,244,000	–930,000
<b>930630:</b> Cartridges for smooth-barrelled shotguns, revolvers and pistols and cartridges for riveting or similar tools or for captive-bolt humane killers, and parts thereof	19,819,000	28,121,000	–8,302,000
<b>TOTAL</b>	<b>21,547,000</b>	<b>36,220,000</b>	<b>–14,673,000</b>

## 2.5 The turnover of ammunition manufacturing companies

Regarding the turnover generated by ammunition manufacturing companies and considering the similarities between Italy and Austria, we have proportioned the turnover based on Italy's export percentage, which is 43.53%. Overall, the total turnover is equal to 49,499,196 euros.

## 2.6 Number of employees involved in the production of ammunition

The employees operating in this sector have been estimated in a total of 155. In particular, this calculation was derived by proportioning the turnover of Austrian ammunition producers (49,499,196 euros) with the turnover of Italian ones (361,228,588 euros) and the number of Italian employees operating in the ammunition sector (1,129).

## 2.7 Domestic market wholesale value

Considering the turnover of companies producing ammunition (49,499,196 euros), subtracting the exports (21,547,000 euros), and adding the value of imports (36,220,000 euros), it is possible to determine the wholesale value of the domestic market, which amounts to 64,172,196 euros.

# CHAPTER 3: THE PRODUCTION OF COMPONENTS AND COMPANIES IN THE SECTOR

## 3.1 Introduction

This chapter examines companies supplying components and materials for firearms production. It includes both specialized (for the industry) and generic suppliers, excluding machinery suppliers covered in the subsequent chapter.

Specialized suppliers manufacture components such as recoil pads, choke tubes, and optics, contributing significantly to manufacturing processes within the sector and characterized by a high level of specialization.

Generic suppliers offer non-specialized products essential for production (e.g., raw materials, firearms fasteners, small parts) and for business management (ranging from stationery to administrative consultancy).

Both specialized and generic suppliers provide goods and services.

Similar to the analysis of firearms and ammunition manufacturers in Chapters 1 and 2, the number of Austrian components manufacturing companies, their employees, and the values of imports and exports have been measured. It is important to note that for this analysis the value of production has not been identified separately, as it is already included in the value of firearms production. Instead, it has been considered as regards exports, being an additional value that is not included in the previous calculations.

Due to limited detailed data and statistics (except for import and export values), this part of the work employs a methodology based on information provided by different sources and estimations.

## 3.2 Components exports

Regarding the values of exports, the Trademap database has been utilized. Specifically, focusing on the Category 9305 “*Parts and accessories for weapons and the like of heading 9301 to 9304 n.e.s.*”, the following HS subcategories have been selected:

- 930510: parts and accessories for revolvers and pistols, n.e.s;
- 930520: parts and accessories of shotguns or rifles of heading 9303, n.e.s;

- 930521: Smooth barrels for sporting, hunting and target shooting rifles of heading 9303, n.e.s;
- 930529: parts and accessories for sporting, hunting and target shooting of heading 9303, n.e.s;
- 930590: parts and accessories for weapons and the like of heading no. 9301, 9303 or 9304, n.e.s;
- 930599: part and accessories for weapons and the like of heading 9303 or 9304, n.e.s (exclusion of shotguns or rifle of heading 9303).

Furthermore, for comprehensive coverage, the category 901310, “*Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments, or apparatus of chapter 90 or sections 16, chapters 84, and 85*”, has been included.

Tab. 9.AT – Export trend for 2021 and 2022 (estimated) related to the components industry

CATEGORY	Exp. 2021 in quantities (Tons)	Exp. 2022 in quantities (Estimation)	Exp. 2021 in Euros	Exp. 2022 in Euros (Estimation)
930510: parts and accessories for revolvers and pistols, n.e.s WORLD	/	/	/	/
930520: parts and accessories of shotguns or rifles of heading 9303, n.e.s WORLD	20	18	4,192,000	4,183,000
930520: parts and accessories of shotguns or rifles of heading 9303, n.e.s GERMANY	12	5	2,278,000	1,160,000
930521: Smooth barrels for sporting, hunting and target shooting rifles of heading 9303, n.e.s WORLD	/	/	/	/
930529: parts and accessories for sporting, hunting and target shooting of heading 9303, n.e.s WORLD	/	/	/	/
930590: parts and accessories for weapons and the like of heading no. 9301, 9303 or 9304, n.e.s WORLD	/	/	/	/
930599: part and accessories for weapons and the like of heading 9303 or 9304, n.e.s (exclusion of shotguns or rifle of heading 9303) WORLD	64	65	5,740,000	7,402,000
930599: part and accessories for weapons and the like of heading 9303 or 9304, n.e.s (exclusion of shotguns or rifle of heading 9303) GERMANY	7	9	1,032,000	1,591,000
901310: Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of chapter 90 or sections 16, chapters 84 and 85 WORLD	63	62	57,600,000	60,625,000

901310: Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of chapter 90 or sections 16, chapters 84 and 85 <i>GERMANY</i>	9	9	11,485,000	12,159,000
<b>TOTAL</b>	<b>147</b>	<b>145</b>	<b>67,532,000</b>	<b>72,210,000</b>

For the total exports for the *category of parts and accessories for revolvers and pistols, n.e.s* (930510) no data is available.

In 2021, exports of *parts and accessories of shotguns or rifles* (930520) globally amounted to 20 tons, valued at 4,192,000 euros, while in 2022, exports are estimated to slightly decrease to 18 tons, with the value remaining steady at 4,183,000 euros. Exports to Germany under this category were 12 tons in 2021, valued at 2,278,000 euros, with an estimated decrease to 5 tons in 2022, raising the value to 1,160,000 euros.

Concerning the categories 930521 (*Smooth barrels for sporting, hunting and target shooting rifles of heading 9303, n.e.s*), 930529 (*parts and accessories for sporting, hunting and target shooting of heading 9303, n.e.s*), and 930590 (*parts and accessories for weapons and the like of heading no. 9301, 9303 or 9304, n.e.s*), no data is available.

For *parts and accessories excluding shotguns or rifles under heading 9303* (930599), global exports in 2021 amounted to 64 tons, valued at 5,740,000 euros. These figures are expected to slightly increase to 65 tons in 2022, with a value increase to 7,402,000 euros. Germany was a key export destination, receiving 7 tons in 2021, valued at 1,032,000 euros, with an increase to 9 tons in 2022, raising the value to 1,591,000 euros.

Exports of *telescopic sights and related devices* (901310) worldwide amounted to 63 tons in 2021, valued at 57,600,000 euros, with a slight decrease in quantity to 62 tons in 2022 but an increase in value to 60,625,000 euros. Germany received 9 tons in both years, with values increasing from 11,485,000 euros in 2021 to 12,159,000 euros in 2022.

In total, exports across these categories amounted to 147 tons in 2021, valued at 67,532,000 euros. For 2022, the total export quantity is estimated to decrease slightly to 145 tons, with an increase in total value to 72,210,000 euros.

### 3.3 Components imports

The same categories were also used for the importing analysis, always regarding both global imports and the first country of origin.

Tab. 10.AT – Import trend for 2021 and 2022 (estimated) related to the components industry

CATEGORY	Imp. 2021 in quantities (Tons)	Imp. 2022 in quantities (Estimation)	Imp. 2021 in Euros	Imp. 2022 in Euros (Estimation)
<b>930510:</b> parts and accessories for revolvers and pistols, n.e.s <i>WORLD</i>	43	22	10,780,000	6,746,000
930510: parts and accessories for revolvers and pistols, n.e.s <i>SWEDEN</i>	/	/	4,458,000	/

<b>930520:</b> parts and accessories of shotguns or rifles of heading 9303, n.e.s <i>WORLD</i>	76	110	14,080,000	24,687,000
930520: parts and accessories of shotguns or rifles of heading 9303, n.e.s <i>GERMANY</i>	36	62	10,009,000	16,480,000
<b>930521:</b> Smooth barrels for sporting, hunting and target shooting rifles of heading 9303, n.e.s <i>WORLD</i>	/	/	/	/
<b>930529:</b> parts and accessories for sporting, hunting and target shooting of heading 9303, n.e.s <i>WORLD</i>	/	/	/	/
<b>930590:</b> parts and accessories for weapons and the like of heading no. 9301, 9303 or 9304, n.e.s <i>WORLD</i>	/	/	/	/
<b>930599:</b> part and accessories for weapons and the like of heading 9303 or 9304, n.e.s (exclusion of shotguns or rifle of heading 9303) <i>WORLD</i>	97	139	8,426,000	14,707,000
930599: part and accessories for weapons and the like of heading 9303 or 9304, n.e.s (exclusion of shotguns or rifle of heading 9303) <i>GERMANY</i>	14	18	2,052,000	3,368,000
<b>901310:</b> Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of chapter 90 or sections 16, chapters 84 and 85 <i>WORLD</i>	29	42	13,430,000	18,428,000
901310: Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of chapter 90 or sections 16, chapters 84 and 85 <i>CHINA</i>	13	21	2,785,000	4,630,000
<b>TOTAL</b>	<b>245</b>	<b>313</b>	<b>46,716,000</b>	<b>64,568,000</b>

In 2021, imports of *parts and accessories for revolvers and pistols* (930510) globally amounted to 43 tons, valued at 10,780,000 euros. In 2022, these figures are estimated to decrease to 22 tons, with a value of 6,746,000 euros. Sweden was a notable exporter to Austria in 2021, shipping 2 tons valued at 4,458,000 euros.

For *parts and accessories of shotguns or rifles* (930520), global imports increased from 76 tons in 2021 to an estimated 110 tons in 2022. The value also rose from 14,080,000 euros to 24,687,000 euros. Germany was a major exporter to Austria in this category, with Austrian imports rising from 36 tons valued at 10,009,000 euros in 2021 to 62 tons, valued at 16,480,000 euros in 2022.

There were no imports recorded for *smooth barrels* (930521), *parts for sporting and hunting* (930529), or *other parts and accessories for weapons* (930590), in both years.

In the case of *parts and accessories excluding shotguns or rifles under heading 9303* (930599), global imports amounted to 97 tons in 2021, valued at 8,426,000 euros. This is estimated to rise to 139 tons, valued at 14,707,000 euros in 2022. Germany's exports to Austria in this category increased from 14 tons (2,052,000 euros) in 2021 to 18 tons (3,368,000 euros) in 2022.

For *telescopic sights and similar devices* (901310), global imports increased from 29 tons valued at 13,430,000 euros in 2021 to an estimated 42 tons, valued at 18,428,000 euros in 2022. China was a key exporter, with exports rising from 13 tons in 2021 to 21 tons in 2022, with values increasing from 2,785,000 euros in 2021 to 4,630,000 euros in 2022.

In total, global imports across these categories increased from 245 tons in 2021, valued at 46,716,000 euros, to an estimated 313 tons in 2022, with a total value of 64,568,000 euros.

### 3.4 The trade balance surpluses/deficits

In 2021, the trade balance for *parts and accessories for revolvers and pistols* (930510) shows a deficit of 10,780,000 euros, as there were no exports recorded against imports worth 10,780,000 euros.

For *parts and accessories of shotguns or rifles* (930520), the trade balance also reflected a deficit of 9,888,000 euros, with exports totaling 4,192,000 euros and imports at 14,080,000 euros.

No trade balance is available for *smooth barrels for sporting, hunting, and target shooting rifles* (930521), *parts and accessories for sporting and hunting* (930529), or *other parts and accessories for weapons* (930590), as no data was provided for exports or imports in these categories.

For *parts and accessories excluding shotguns or rifles under heading 9303* (930599), the trade deficit amounted to 2,686,000 euros, with exports valued at 5,740,000 euros and imports at 8,426,000 euros.

In contrast, *telescopic sights and similar devices* (901310) recorded a positive trade balance of 44,170,000 euros, as exports reached 57,600,000 euros compared to imports of 13,430,000 euros.

Overall, the total trade balance across these categories in 2021 amounted to a surplus of 20,816,000 euros, with total exports of 67,532,000 euros and total imports of 46,716,000 euros.

Tab. 11.AT – Trade balance trend for 2021 and 2022 (estimated) related to the ammunition industry

CATEGORY	Exp. 2021 in Euro	Imp. 2021 in Euro	Trade balance 2021 in Euro
<b>930510:</b> parts and accessories for revolvers and pistols, n.e.s	/	10,780,000	–10,780,000
<b>930520:</b> parts and accessories of shotguns or rifles of heading 9303, n.e.s	4,192,000	14,080,000	–9,888,000
<b>930521:</b> Smooth barrels for sporting, hunting and target shooting rifles of heading 9303, n.e.s	/	/	/
<b>930529:</b> parts and accessories for sporting, hunting and target shooting of heading 9303, n.e.s	/	/	/
<b>930590:</b> parts and accessories for weapons and the like of heading no. 9301, 9303 or 9304, n.e.s	/	/	/