

The image features a blue-tinted background of industrial machinery. In the foreground, there is a close-up of a metal lathe or similar machine with a rotating workpiece. The TIAD logo is prominently displayed at the top in white, bold, sans-serif font. Below the logo, the full name of the association and its website are listed in a smaller white font. The main title of the report is centered in the lower half, with 'TURKEY' in a large, bold, blue font with a white outline, and 'MACHINE TOOLS SECTOR REPORT' in a smaller, blue, sans-serif font. The year '2017' is positioned at the bottom right in a very large, bold, blue font with a white outline. The overall aesthetic is professional and industrial.

TIAD

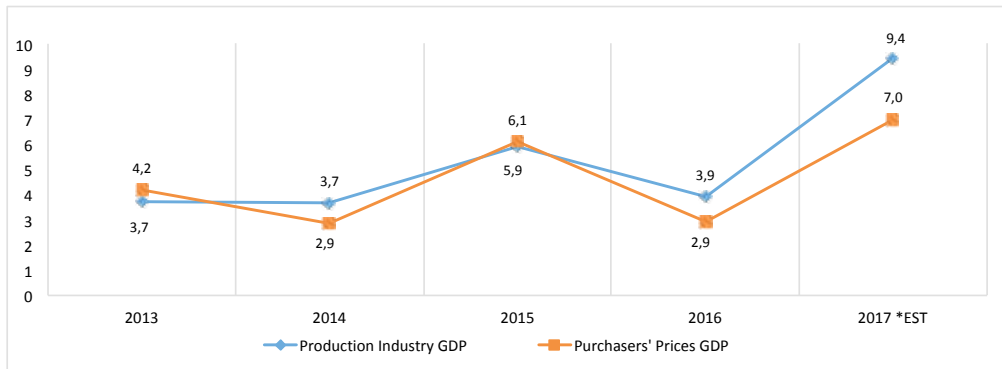
MACHINE TOOLS INDUSTRIALISTS AND BUSINESSMEN ASSOCIATION

www.tiad.org

TURKEY MACHINE TOOLS
SECTOR REPORT

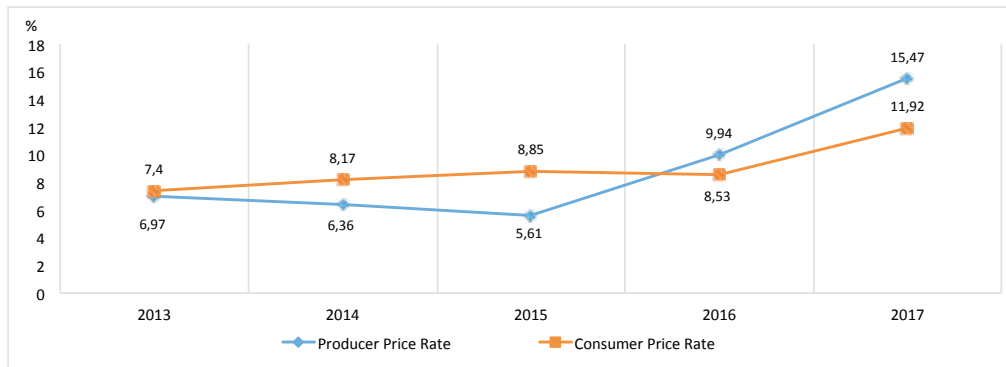
2017

OVERVIEW OF TURKEY'S GENERAL ECONOMIC SITUATION TURKEY'S RATE OF GDP 2013-2017



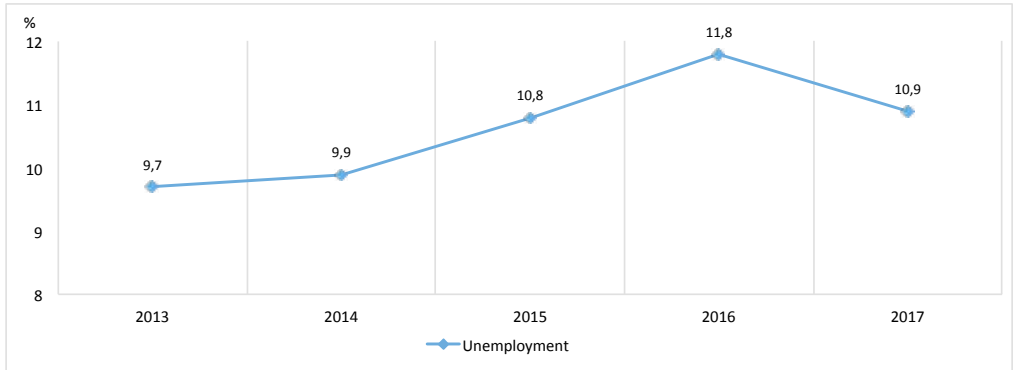
Source: Turkish Statistical Institute

TURKEY'S RATE OF INFLATION 2013-2017



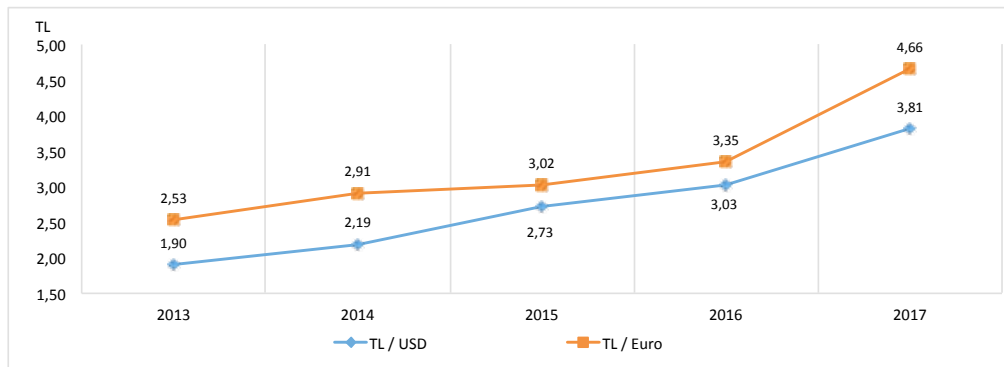
Source: Central Bank of The Republic Of Turkey

TURKEY'S RATE OF UNEMPLOYMENT 2013-2017



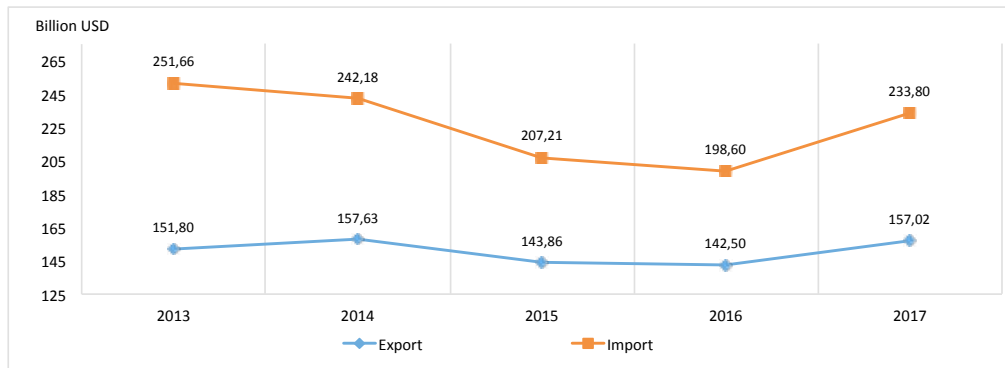
Source: Turkish Statistical Institute

TL/USD & TL/EURO EXCHANGE RATES (AVERAGE)



Source: Central Bank of The Republic Of Turkey

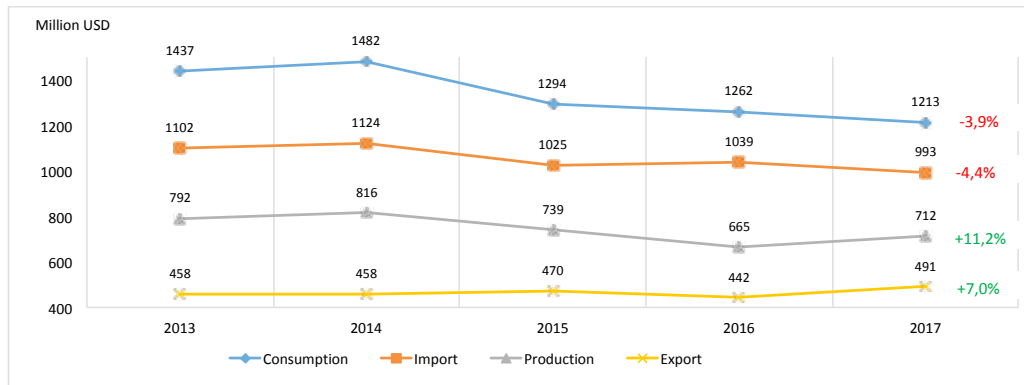
TURKEY'S FOREIGN TRADE



Source: Turkish Statistical Institute

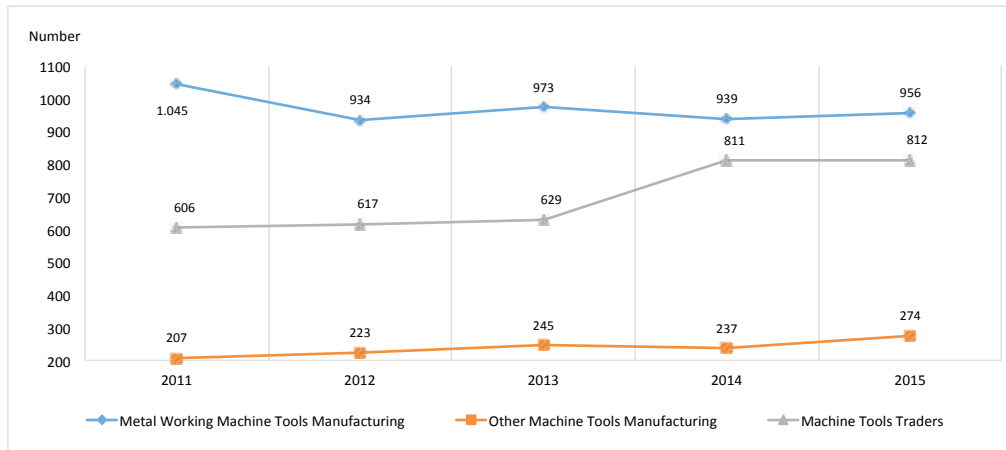
OVERVIEW OF TURKEY MACHINE TOOLS SECTOR

FOREIGN TRADE OF TURKEY'S MACHINE TOOLS SECTOR



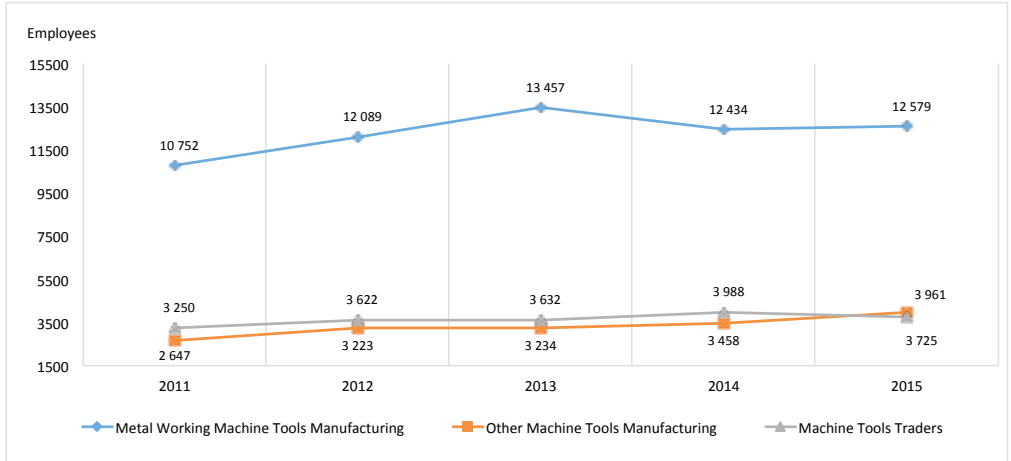
Source: Turkish Statistical Institute

NUMBER OF ENTERPRISES IN TURKEY'S MACHINE TOOLS SECTOR



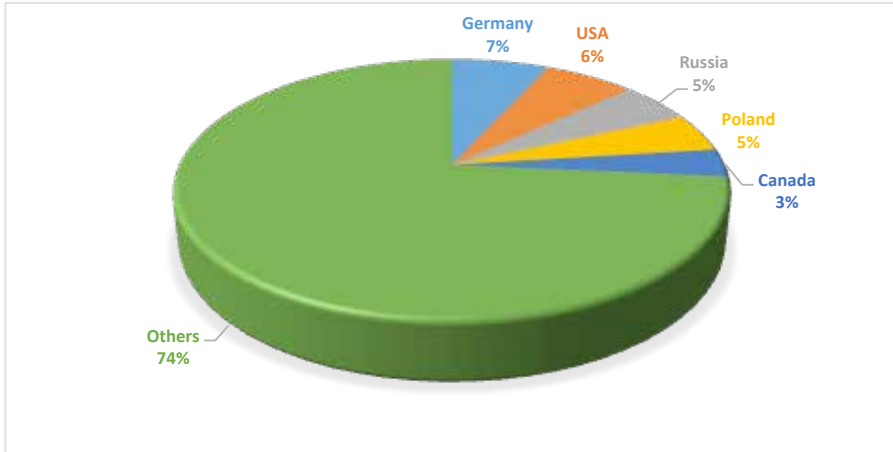
Source: Turkish Statistical Institute

NUMBER OF EMPLOYEES IN TURKEY'S MACHINE TOOLS SECTOR



Source: Turkish Statistical Institute

SHARE OF TOP 5 COUNTRIES IN TURKEY'S TOTAL MACHINE TOOLS EXPORT - 2017



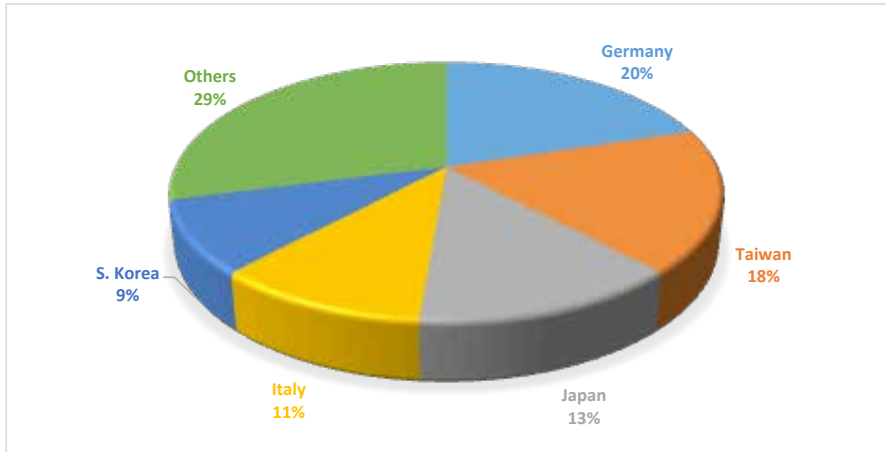
Source: Turkish Statistical Institute (8456, 8457, 8458, 8459, 8460, 8461, 8462, 8463 HS Codes have been included.)

TURKEY'S TOTAL MACHINE TOOLS EXPORT

	2016 (USD)	2017 (USD)	Change Rate (%)
Germany	30.850.232	33.339.152	8,07%
USA	35.964.121	31.077.889	-13,59%
Russia	12.970.689	25.281.186	94,91%
Poland	13.310.711	23.320.955	75,20%
Canada	17.015.063	16.826.506	-1,11%
Algeria	10.223.011	11.908.535	16,49%
England	8.920.887	11.365.646	27,40%
S. Arabia	20.347.269	10.603.877	-47,89%
Iran	9.788.748	10.370.152	5,94%
Czech Republic	5.500.709	8.309.261	51,06%
Others	277.142.217	308.943.061	11,47%
Total	442.033.657	491.346.220	11,16%

Source: Turkish Statistical Institute (8456, 8457, 8458, 8459, 8460, 8461, 8462, 8463 HS Codes have been included.)

SHARE OF TOP 5 COUNTRIES IN TURKEY'S TOTAL MACHINE TOOLS IMPORT - 2017



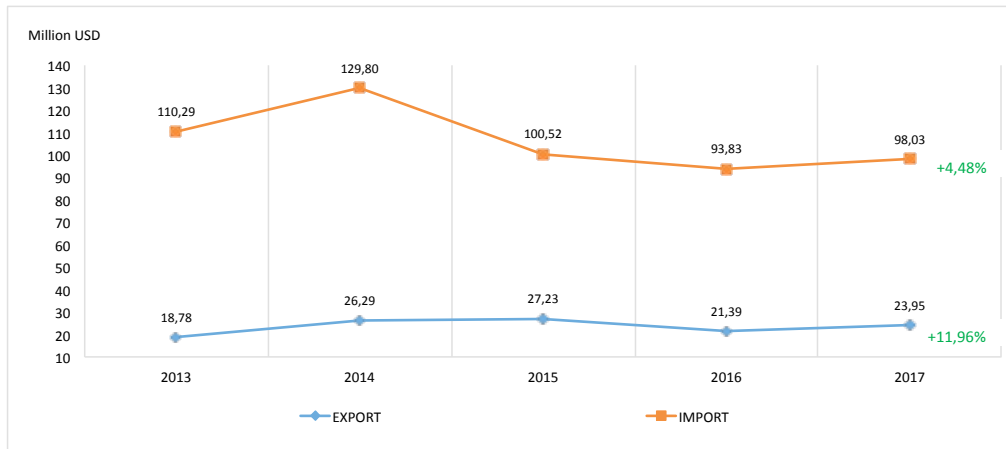
Source: Turkish Statistical Institute (8456, 8457, 8458, 8459, 8460, 8461, 8462, 8463 HS Codes have been included.)

TURKEY'S TOTAL MACHINE TOOLS IMPORT

	2016 (USD)	2017 (USD)	Change Rate (%)
Germany	243.892.376	200.362.021	-17,85%
Taiwan	174.817.023	177.983.145	1,81%
Japan	115.037.283	131.221.861	14,07%
Italy	126.008.150	105.685.950	-16,13%
S. Korea	51.870.171	89.541.895	72,63%
China	63.081.058	61.894.351	-1,88%
Switzerland	36.290.888	51.865.086	42,91%
USA	25.894.529	25.937.728	0,17%
Spain	24.171.980	20.971.203	-13,24%
France	8.636.289	13.527.636	56,64%
Others	169.665.156	114.210.058	-32,69%
Total	1.039.364.903	993.200.934	-4,44%

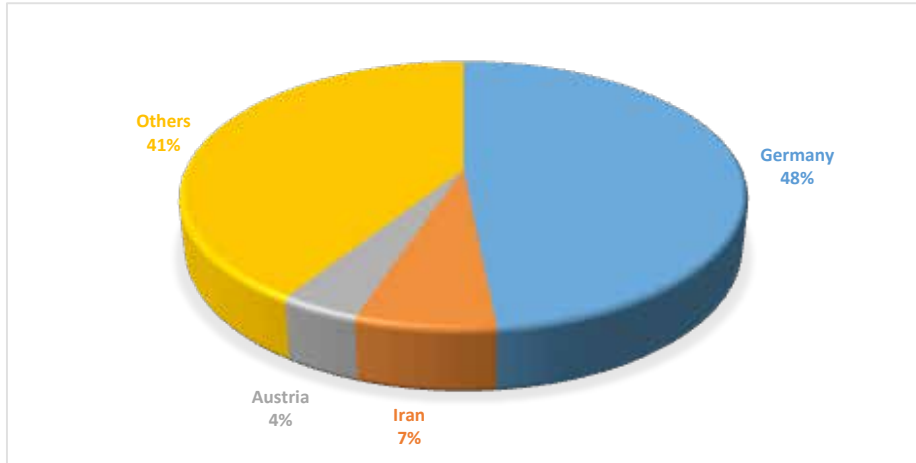
Source: Turkish Statistical Institute (8456, 8457, 8458, 8459, 8460, 8461, 8462, 8463 HS Codes have been included.)

FOREIGN TRADE OF TURKEY'S CUTTING TOOLS



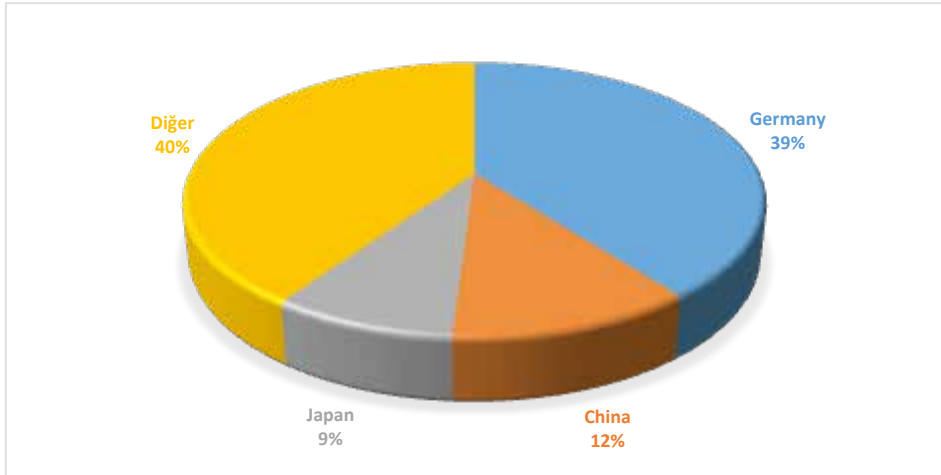
Source: Turkish Statistical Institute

CUTTING TOOLS EXPORT DISTRIBUTION OF TURKEY – 2017



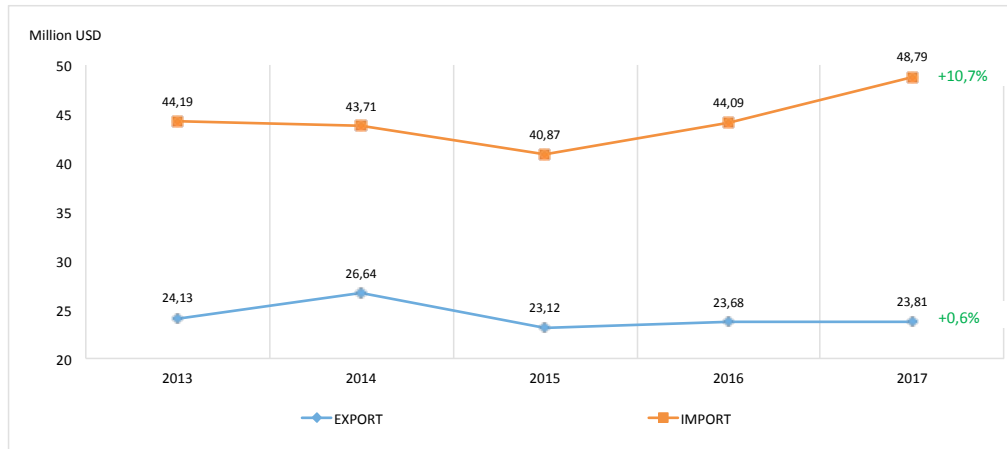
Source: Turkish Statistical Institute

CUTTING TOOLS IMPORT DISTRIBUTION OF TURKEY – 2017



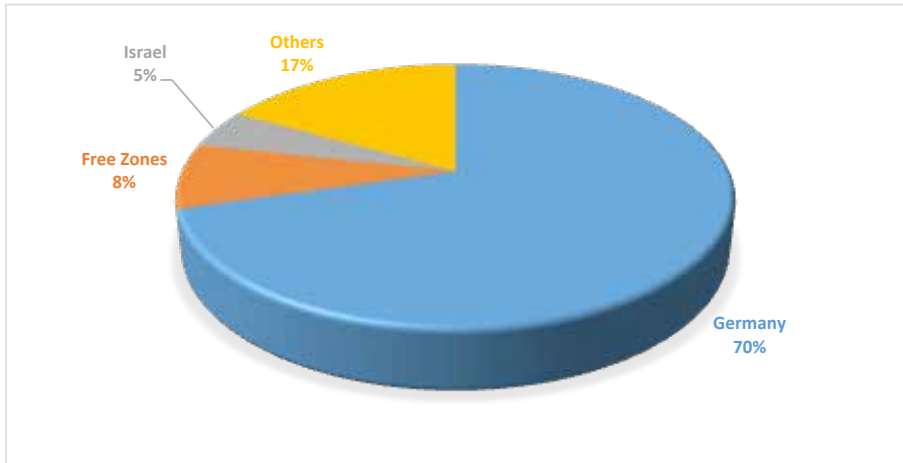
Source: Turkish Statistical Institute

FOREIGN TRADE OF TURKEY'S HOLDING TOOLS



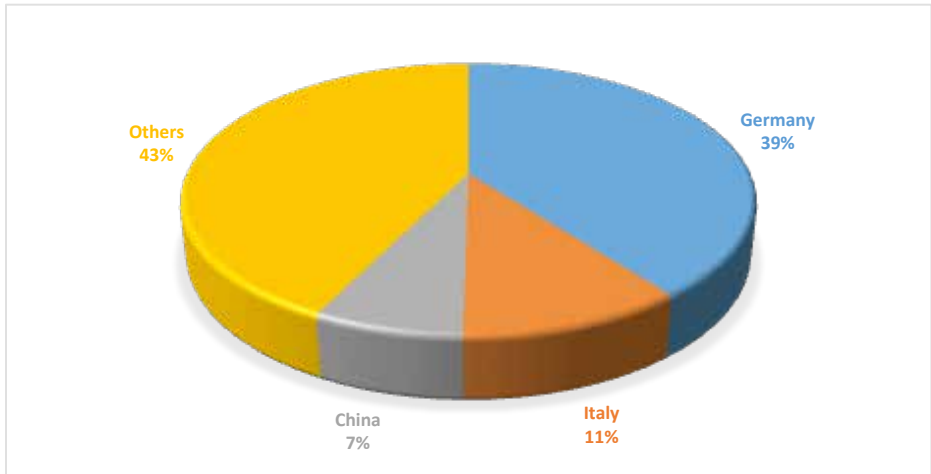
Source: Turkish Statistical Institute

HOLDING TOOLS EXPORT DISTRIBUTION OF TURKEY – 2017



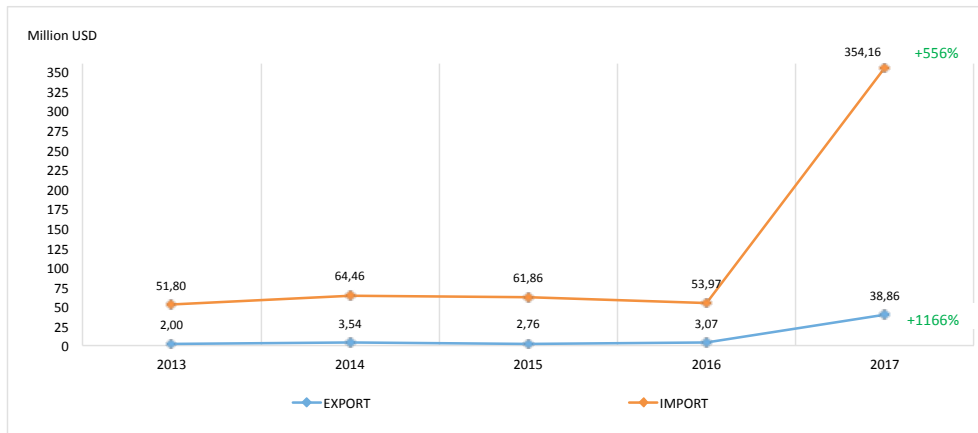
Source: Turkish Statistical Institute

HOLDING TOOLS IMPORT DISTRIBUTION OF TURKEY – 2017



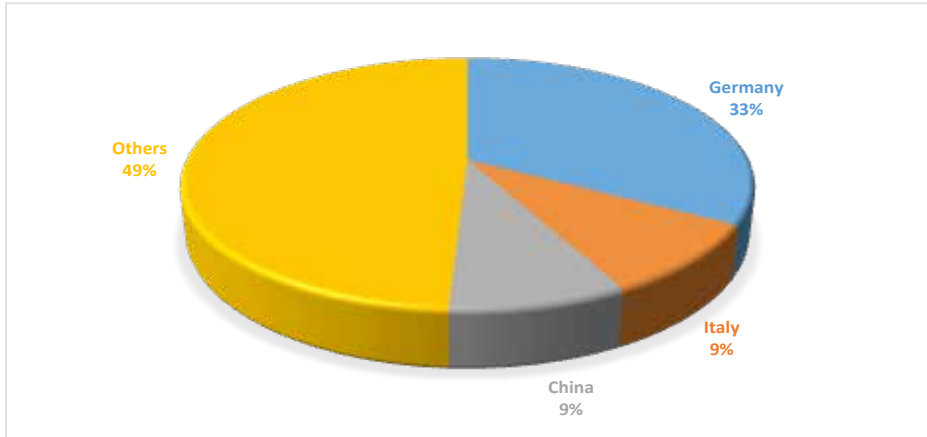
Source: Turkish Statistical Institute

FOREIGN TRADE OF TURKEY'S MEASUREMENT EQUIPMENTS



Source: Turkish Statistical Institute

MEASUREMENT EQUIPMENTS IMPORT DISTRIBUTION OF TURKEY – 2017



Source: Turkish Statistical Institute



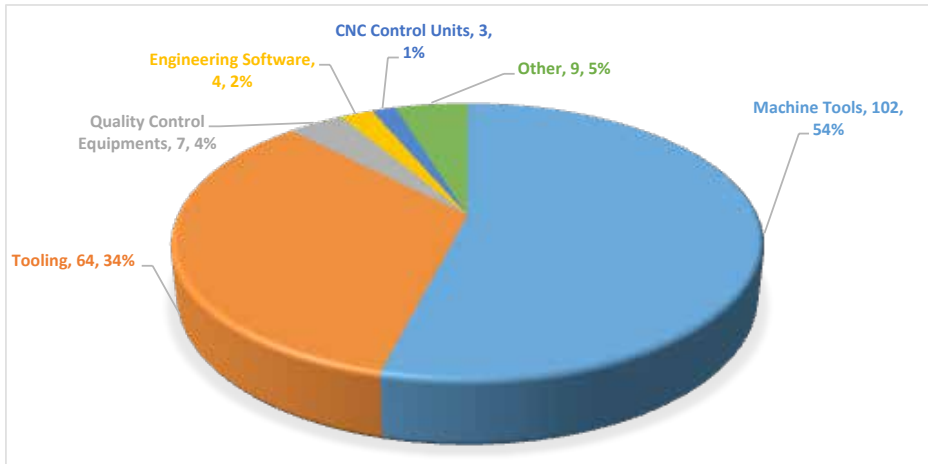


**MACHINE TOOLS INDUSTRIALISTS AND BUSINESSMEN ASSOCIATION (TIAD)
OF TURKEY**

Machine Tools Industrialists and Businessmen Association (TIAD) of Turkey is a professional organization established in 1992 with the aim of gathering industrialists and businessmen dealing with imports, exports, manufacturing, wholesale and/or retail trade of machine tools, their complementary accessories and tooling equipment which are among the fundamental means of the manufacturing processes. The mission of the Association is to represent its members in the best way at all national and international platforms.

By March 2018, the number of TIAD members has reached 189 and more than 80% of the machine tools demand in Turkey is met by TIAD members.

DISTRIBUTION OF TIAD MEMBERS





TIAD became a member of the European Trade Association for Machine Tools, Tooling and Technologies (CELIMO) as of 2000. Having presided over CELIMO in the 2006-2008 term, TIAD still holds Board Member status in this international association. CELIMO currently represents 1,200 machine tool distributor companies holding more than 10 billion Euro total capital, and it constitutes a fundamental market for Turkey's exporters.

TIAD performs activities both for the benefit of the country and its members. These activities are carried out through Committees and Working Groups constituted within its corporate structure. In this framework, TIAD has Fair, Laws and Regulations, Media and Advertising, Membership Development and Coordination, Training, After Sales Services Committees, as well as "Working Groups" of Tooling, Metrology, CAD / CAM, Metal Forming Machine and Metal Cutting Machine.



REPRESENTATION ACTIVITIES

TIAD's major representation activities include the

National Area;

- *Union of Chambers and Commodity Exchanges of Turkey (TOBB) Machine and Equipment Manufacturing Sector Assembly,*
- *Machinery Technical Committee (MAKTEK) established and working under Turkish Ministry of Science, Industry and Technology,*
- *MAKTEK Machine Tools Sub-committee,*

International Area;

- *Board Member of CELIMO.*



Republic of Turkey
Ministry of Science, Industry and Technology



TIAD

REPRESENTATION ACTIVITIES

OUR COOPERATING NATIONAL ASSOCIATIONS



TIAD

REPRESENTATION ACTIVITIES

OUR COOPERATING INTERNATIONAL ASSOCIATIONS





TIAD'S ENTERPRISE ACTIVITY

TIAD ORGANISATIONAL SERVICES ENTERPRISE

- **MAKTEK EURASIA** - Machine Tools, Metal – Sheet Metal Processing Machines, Tool Holders – Cutting Tools, Quality Control – Measurement Systems, CAD/CAM, PLM Software and Manufacturing Technologies Fair
- **MAKTEK IZMIR** - Machine Tools, Metal – Sheet Metal Processing Machines, Tool Holders – Cutting Tools, Quality Control – Measurement Systems, CAD/CAM, PLM Software and Manufacturing Technologies Fair
- **MAKTEK KONYA** - Machine Tools, Metal – Sheet Metal Processing Machines, Tool Holders – Cutting Tools, Quality Control – Measurement Systems, CAD/CAM, PLM Software and Manufacturing Technologies Fair
- **BURSA METAL WORKING** – International Metal Processing Machines, Welding, Cutting, Drilling Technologies, Hand Tools, Pneumatic & Hydraulic Fair
- **QUALITY** - Control, Metrology, Testing Equipment and Industrial Software Fair

Fairs are supported by our Association.



TIAD'S ENTERPRISE ACTIVITY

International Fair Organizations

TIAD keeps tabs on international fairs concerning the sector and communicates all the machine tool fairs across the world as a list to its members through bulletins and its website. TIAD also arranges travelling and accommodation organizations to help its members visit important fairs with affordable conditions. Moreover, TIAD also participates international fairs individually as an association to promote its member companies and the sector.





TIAD'S ENTERPRISE ACTIVITY

TIAD PRESS AND PUBLICITY SERVICES ENTERPRISE

TT MAGAZİN – MACHINE TOOLS AND MANUFACTURING TECHNOLOGIES MAGAZINE

Through the channel of its bimonthly TT Magazin, TIAD keeps its members and machine tool users up-to-date with the latest technical and technological developments in national and global markets.

Since 2004, TT Magazin held its readability at the highest level with its quality informative content, while offering a great opportunity to its advertiser companies to find their target audiences through accurate and affective distribution. Printed 4.000 hardcopies.





TIAD'S ENTERPRISE ACTIVITY

TIAD TRAINING AND CONSULTANCY SERVICES ENTERPRISE

TIAD ACADEMY contributes to the progress and development of Turkey by providing the correct, efficient and effective use of "Machine Tools", described as "the main tools to produce manufacturing machinery" which are essential in various manufacturing industries, especially in aerospace, aircraft, defence, white goods, automotive, ship construction, machinery, casting, construction, textiles, food and furniture sectors. Within TIAD Academy, training programmes are developed and applied to realize the target of producing intermediate goods used in most manufacturing sectors with less cost and producing more value added products and exporting them to the whole world.

OUR TRAININGS

- Basics of Machining
- CNC Lathe Operatorship ve Programming
- CNC Machining Center Operatorship ve Programming
- Computer Aided Design (CAD) / Computer Aided Manufacturing (CAM)
- CNC Control Unit Using
- CNC Fault Detection and Maintenance





TIAD'S ENTERPRISE ACTIVITY

TIAD VOCATIONAL TEST CENTER ENTERPRISE

In March 2011, TIAD was granted by the European Union (EU), with the approval of and through the Turkish Central Finance and Contracts Unit under the "VOC-Test Center Grant Scheme". In the course of the "Developing and Operating Machine Tools VOC-Test Center" project,

TIAD established the occupational standards and vocational qualifications for

- NC/CNC Machine Tools Mechanical Service Responsible,
- NC/CNC Machine Tools Electric/Electronic Service Responsible
- NC/CNC Machine Tools Application Responsible

in line with European Qualifications Framework (EQF). TIAD MTM, having ISO 9001 and ISO 17024 Standards, makes two theoretical and implementation tests to the candidates before issuing the certificates. These certificates will also be recognized by the EU Member States in the future.


In accordance with this standard and qualifications, the “Vocational Qualification Assessment and Examination System” is established and began to be implemented. TIAD Vocational Test Center (TIAD MTM) got accreditation from TURKAK (Turkish Accreditation Agency) in December 12th, 2013 and authorization from MYK (Vocational Qualification Authority) on July 1st, 2014.





MYK
MESLEKİ YETERLİLİK
KURUMU




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UNITY
REPRESENTING
THE MACHINE
TOOLS SECTOR

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