



Thailand Special Steel Situation and Road Map

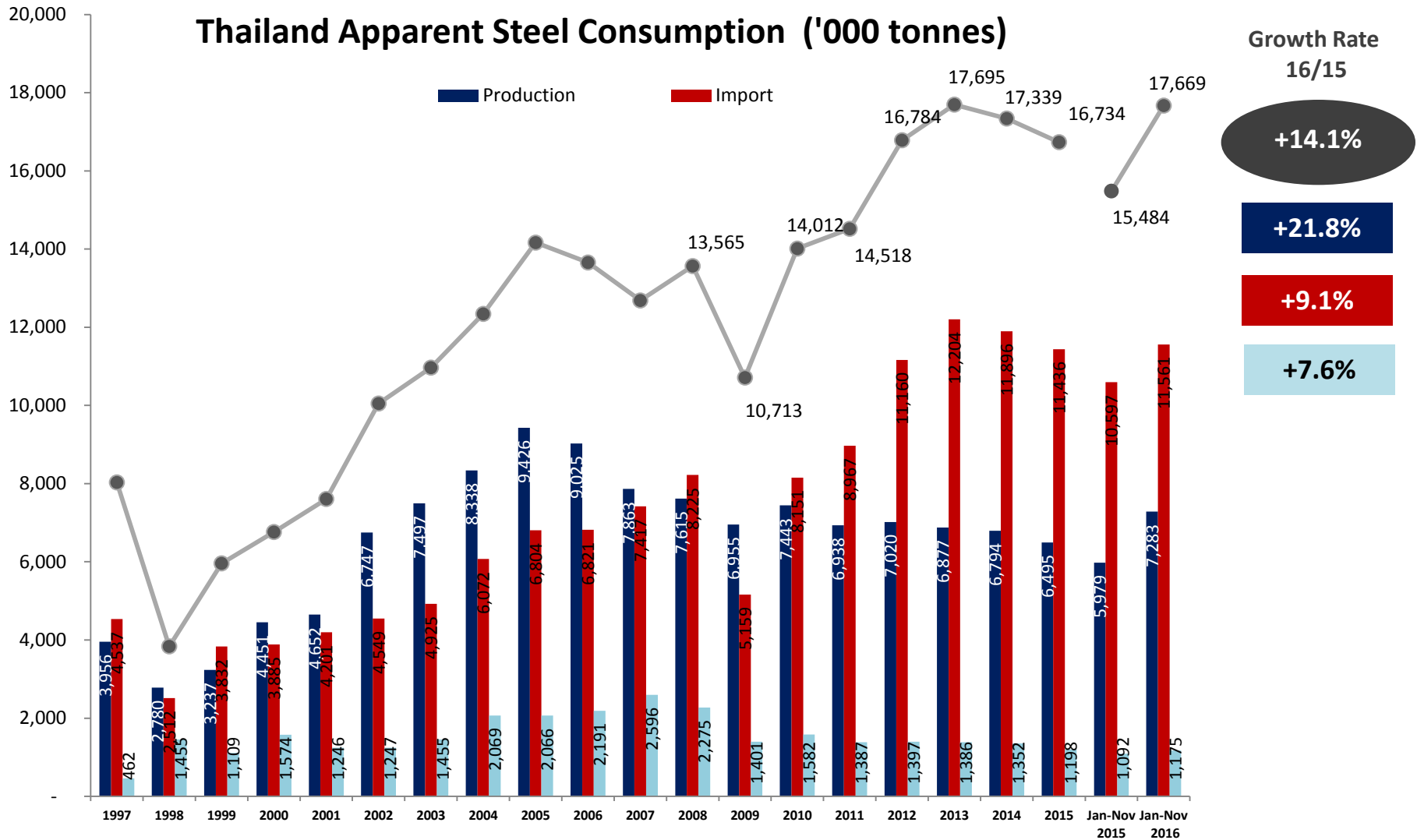
Presented by Wikrom Vajragupta

Thai Iron and Steel Club, Federation of Thai Industries.

Information by Iron and Steel Institution of Thailand

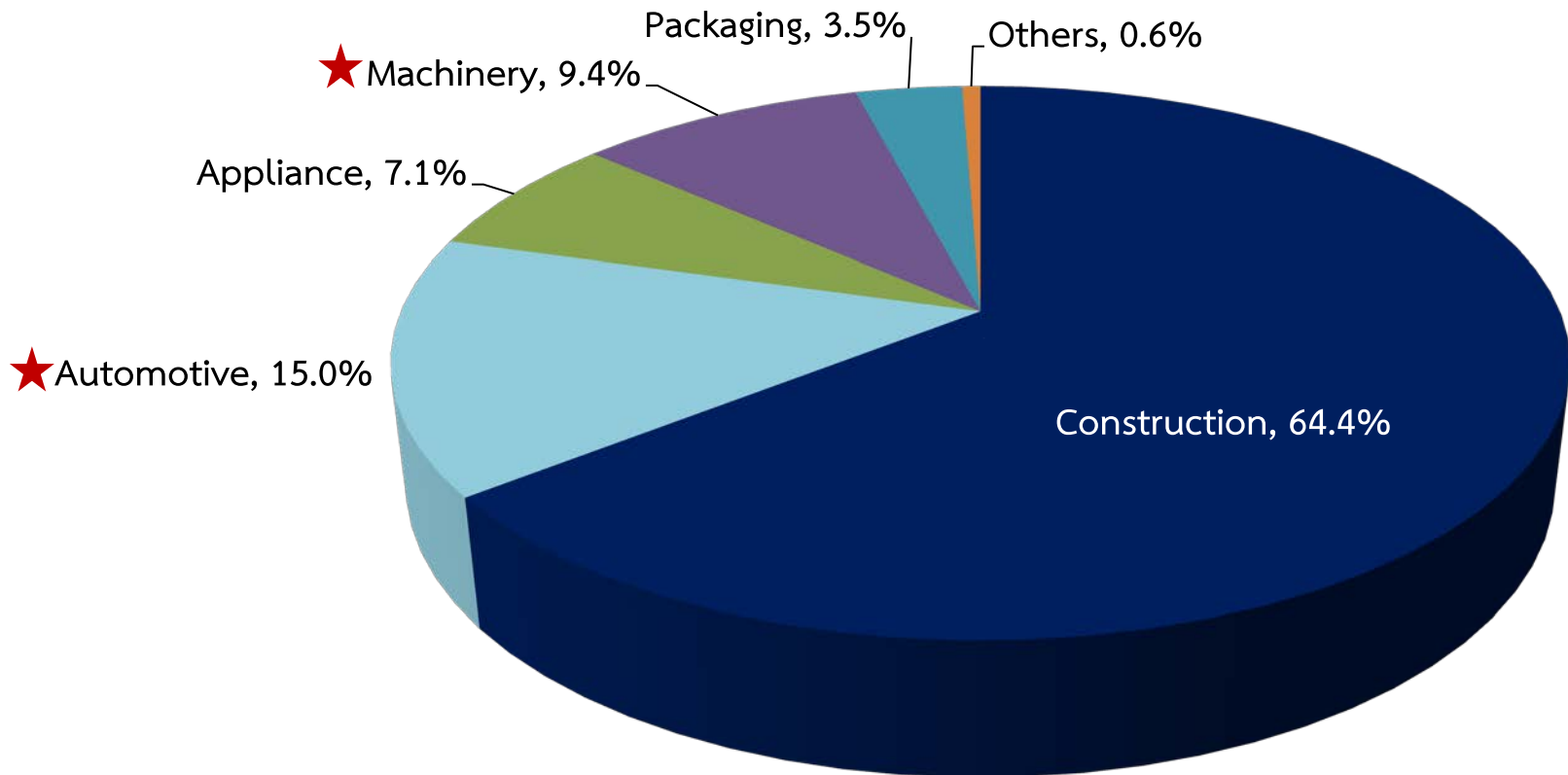
19 January 2017

Thailand finished steel consumption.

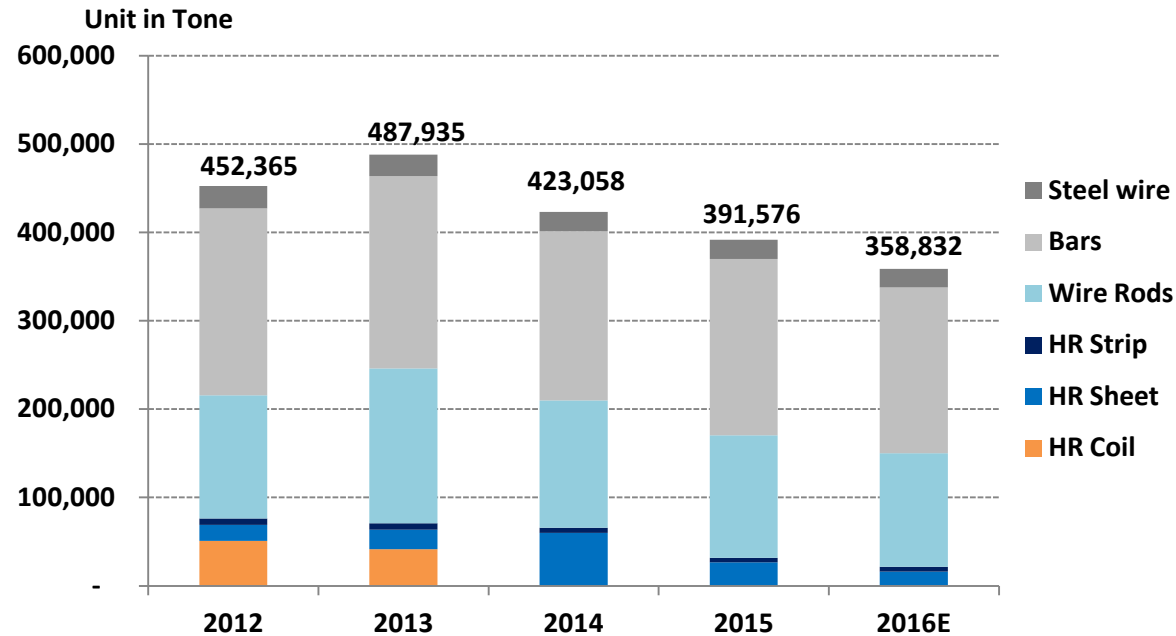
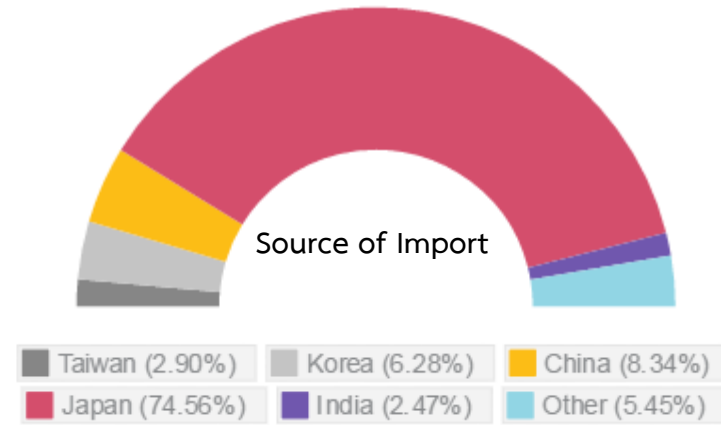
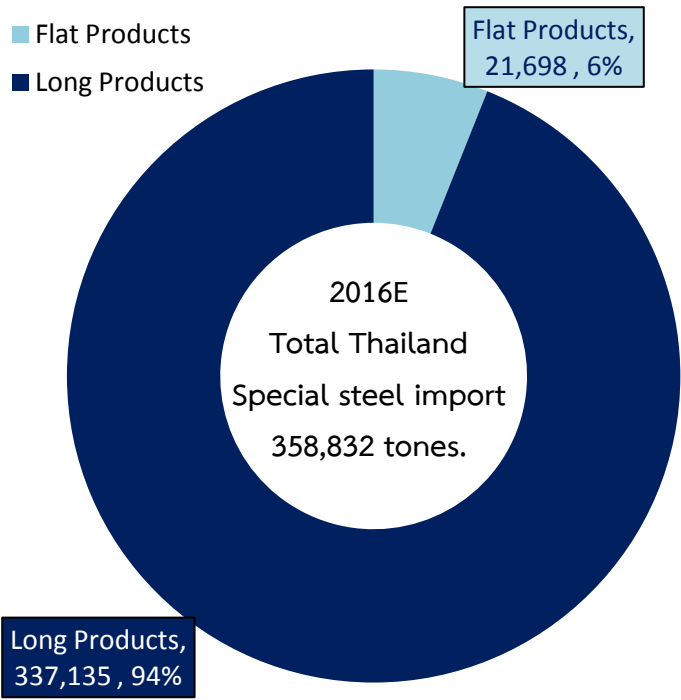


Thailand steel demand breakdown.

- Ratio Long product : Flat product = 43 : 57
- Breakdown of demand by steel consuming sectors

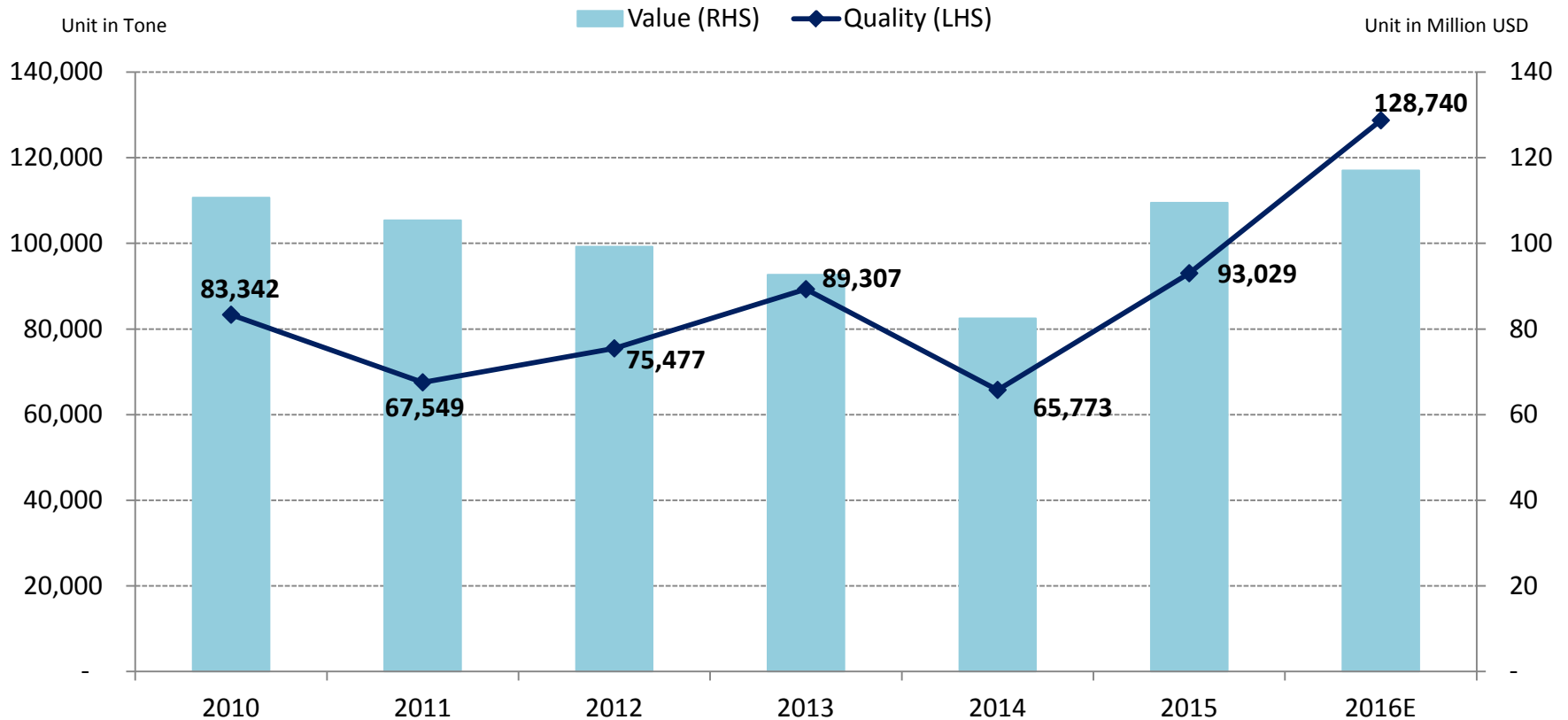


Thailand Special Steel Import.



Thailand Stainless steel scrap export.

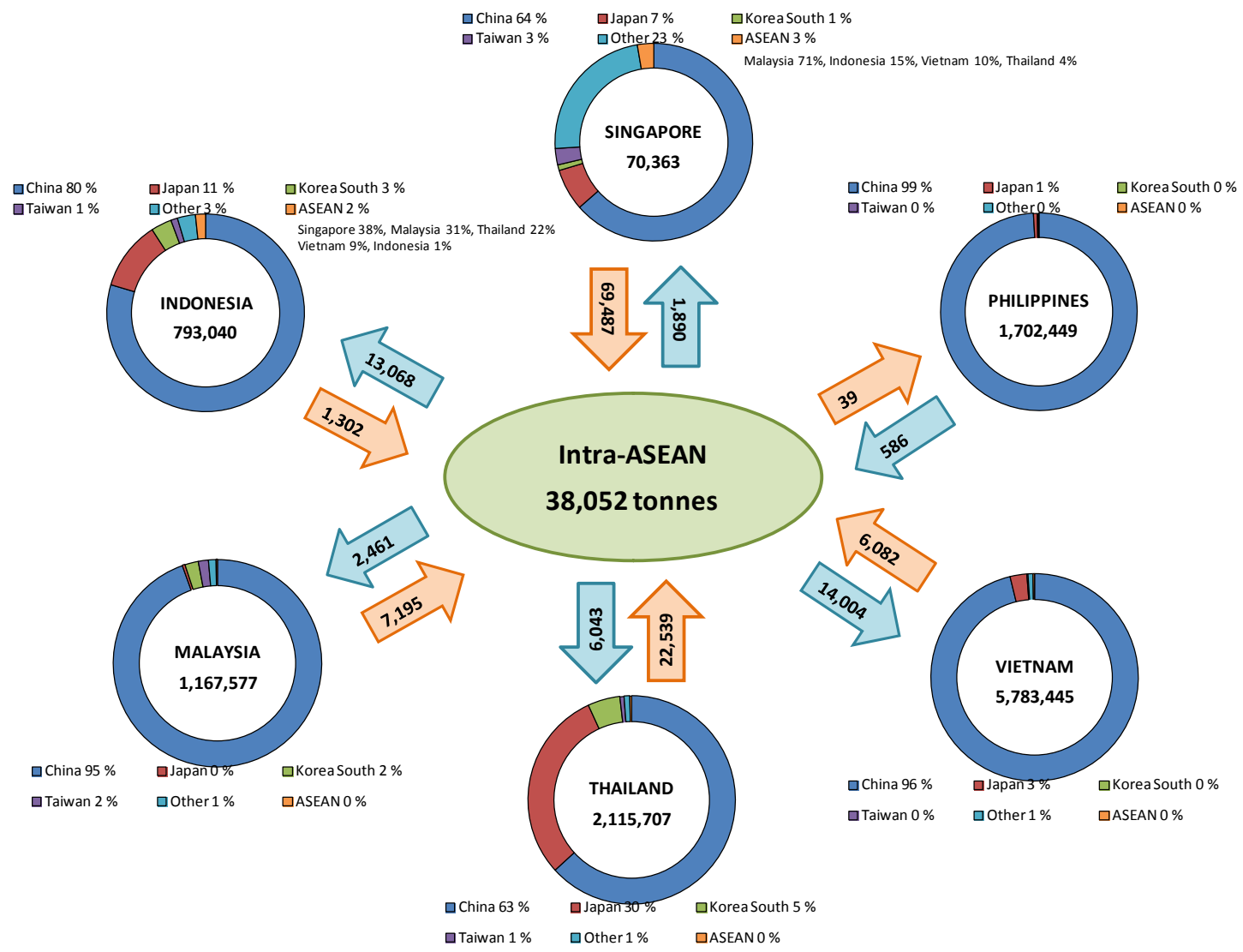
Thailand Stainless steel scrap export



Note: Year 2016 figures are annualized based on data from January to November.

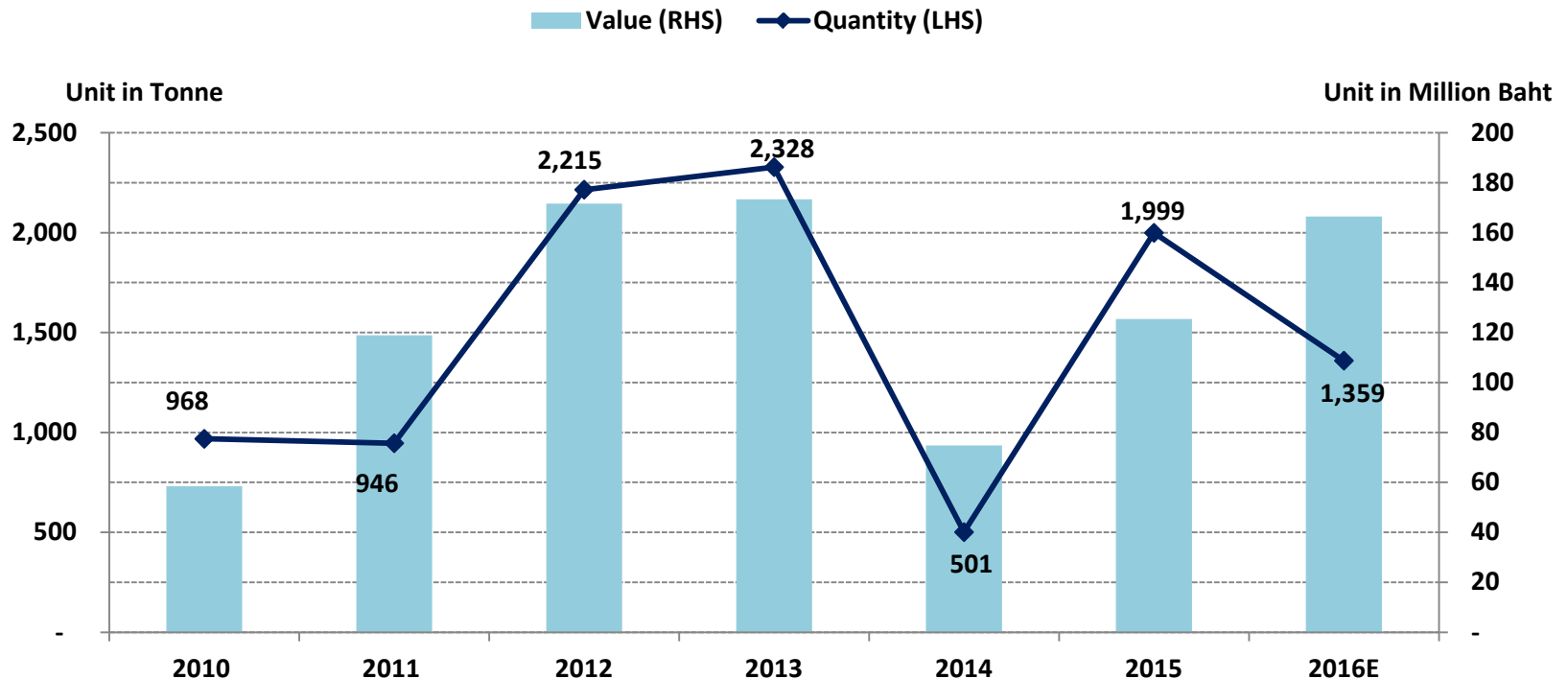
Source : ISIT calculations based on data from Custom.

Major Source of ASEAN's Alloy steel Import in Jan-Jul'16



Thailand Truck Axles And Wheels And Parts Thereof, Including Parts Of Truck Assemblies, For Railway Or Tramway Vehicles Import in 2010 - 2016.

Truck Axles And Wheels And Parts Thereof, Including Parts Of Truck Assemblies, For Railway Or Tramway Vehicles Import (HS Code 860719)

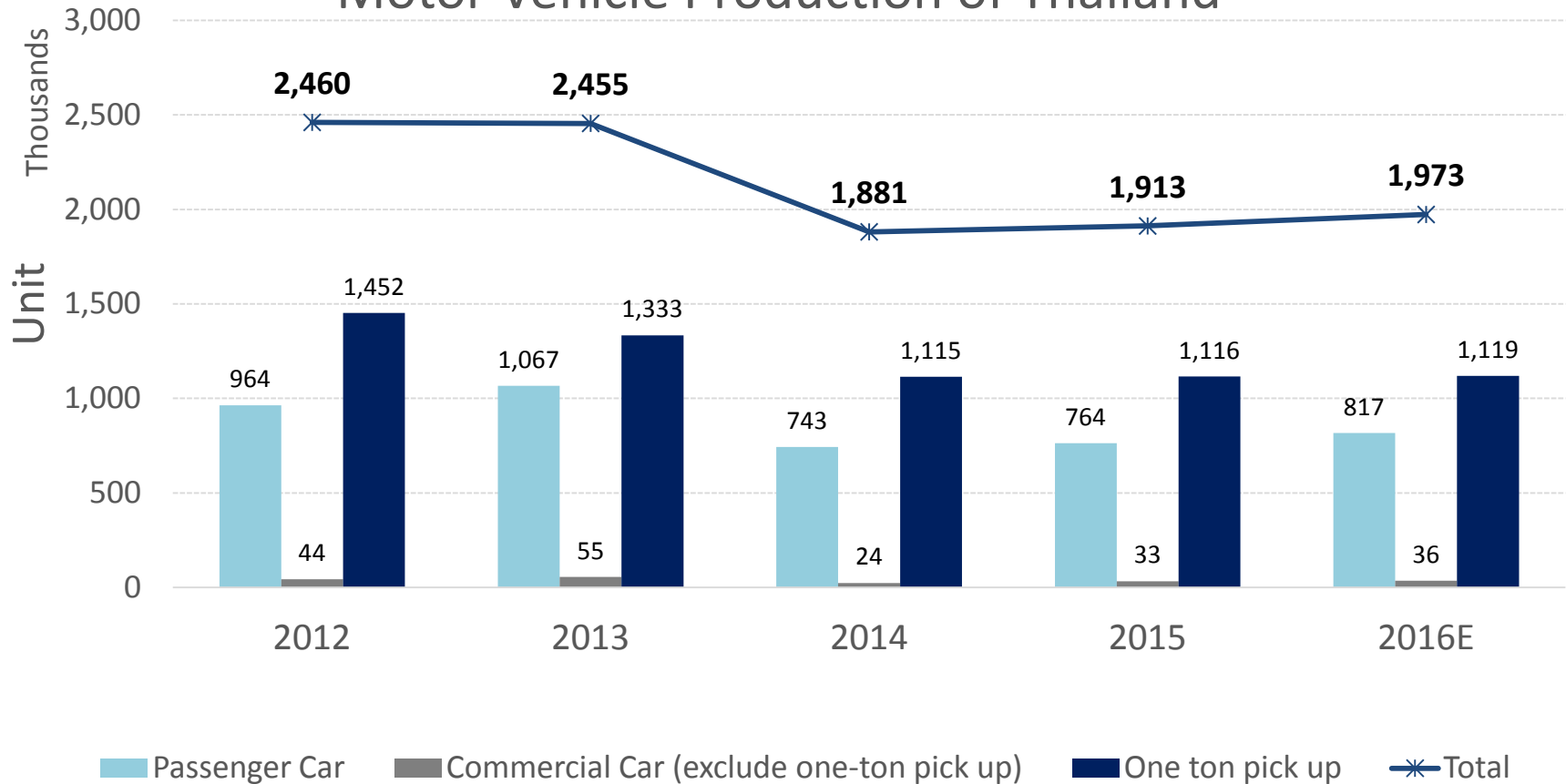


Note: Year 2016 figures are annualized based on data from January to November.

Source : ISIT calculations based on data from Global trade Atlas.

Thailand's Production of Automobile in 2012-2016.

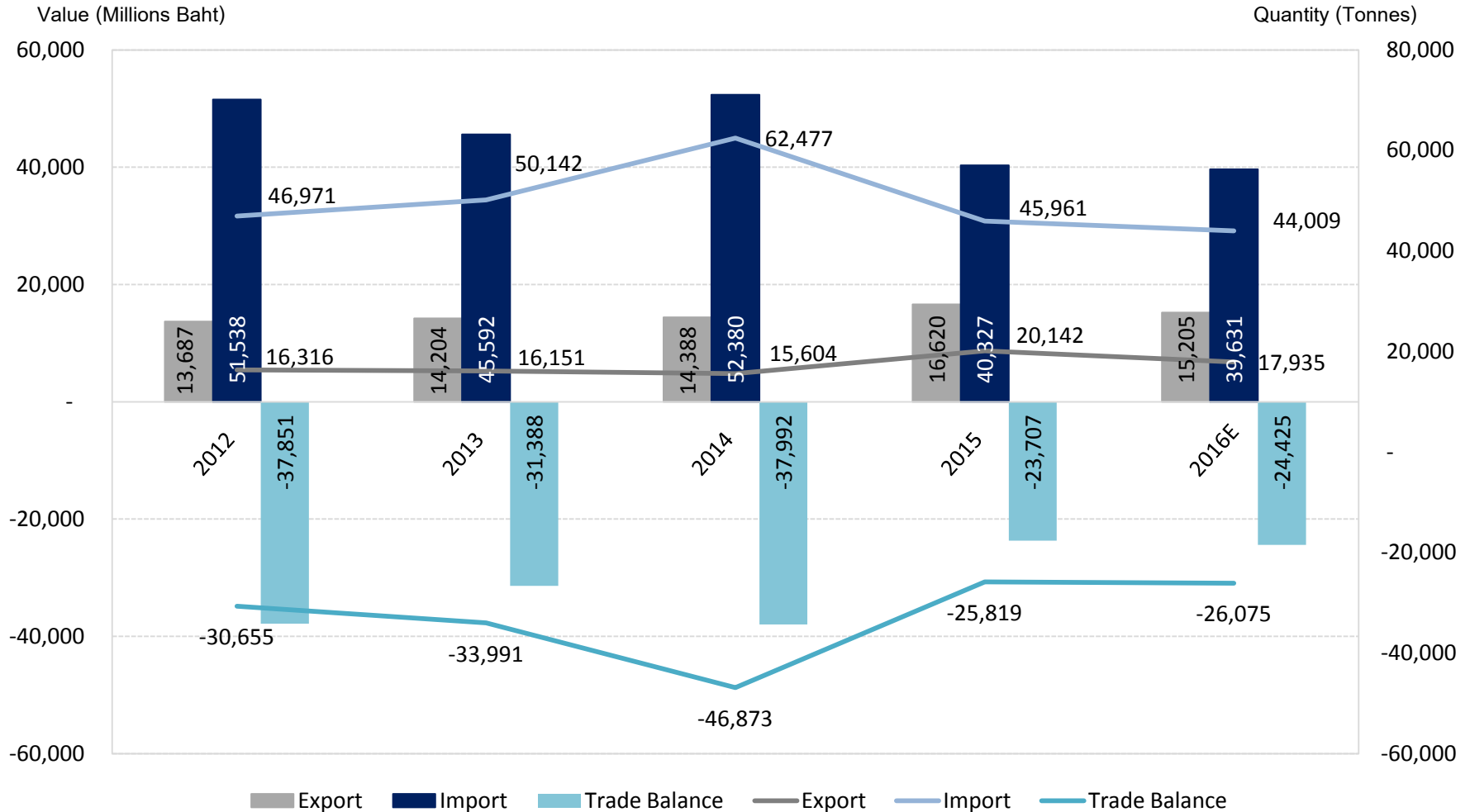
Motor Vehicle Production of Thailand



Note: Year 2016 figures are annualized based on data from January to November.

Source : ISIT calculations based on data from Thai Auto Institute.

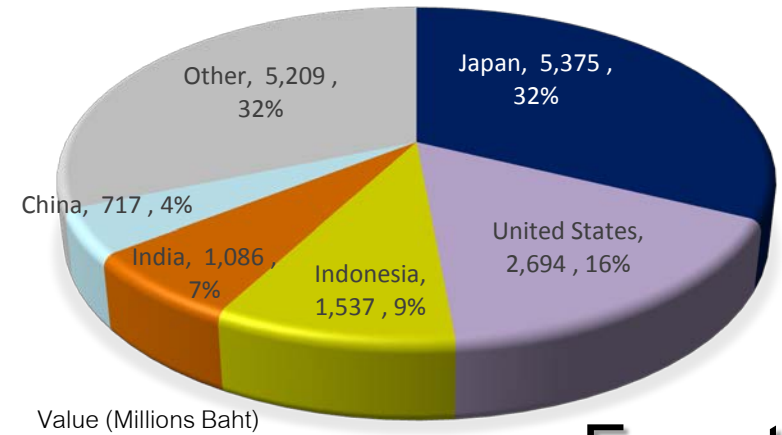
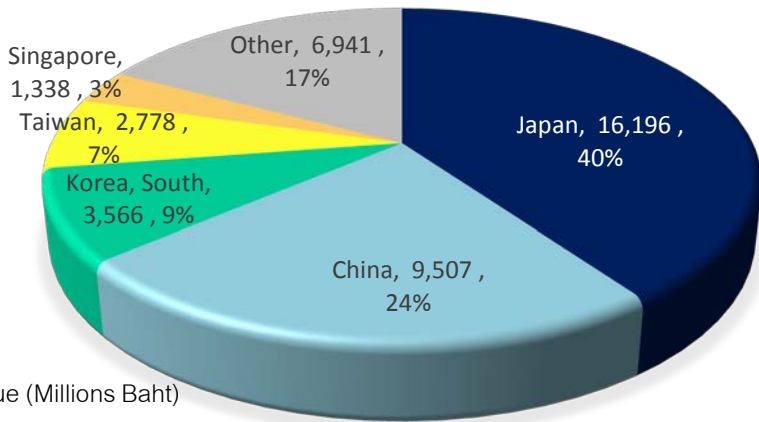
Thailand's Tools and Moulds Import-Export in 2012-2016.



Note: Year 2016 figures are annualized based on data from January to November.

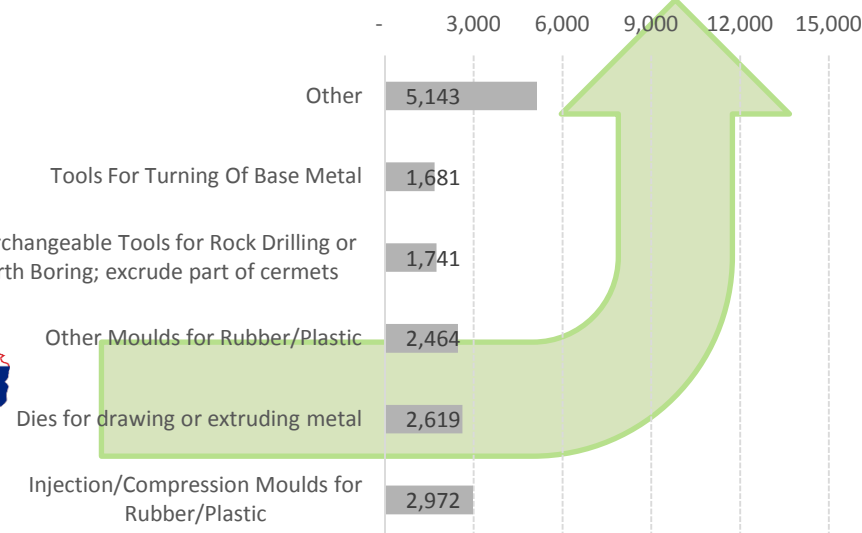
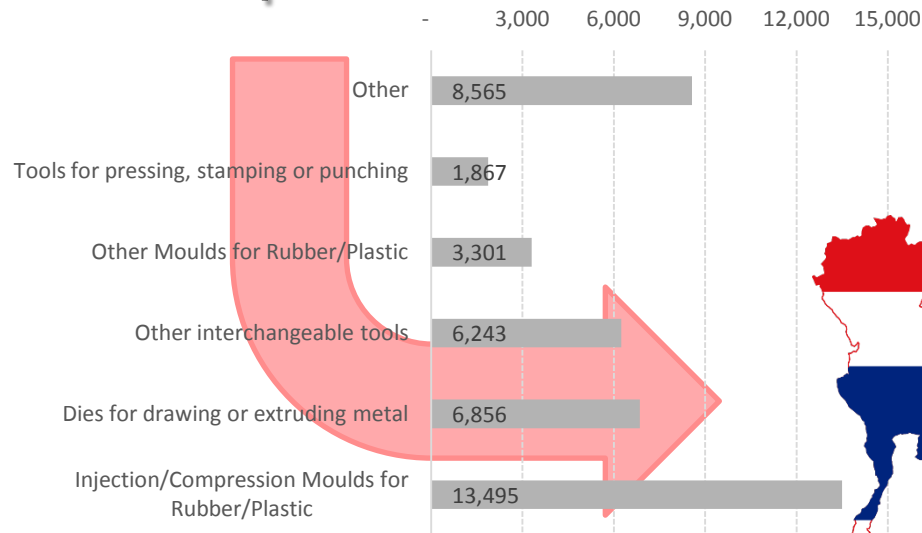
Source : ISIT calculations based on data from Global trade Atlas.

Majors Countries for Thailand's Tools and Moulds Import-Export in 2015.

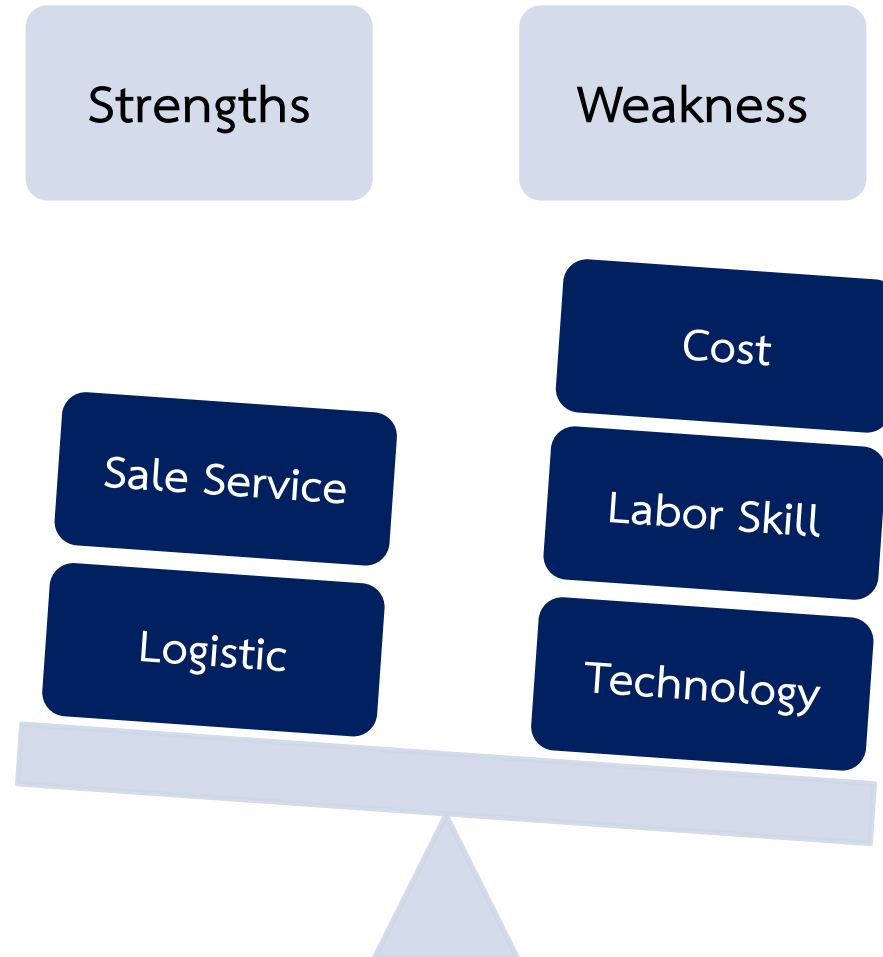


Import

Export



Manufacturing Technology still the main issue for Thailand's Tools and Moulds Industry.



Special Steel's Opportunities in Thailand Industry 4.0



Transportation (Automotive, Aerospace, Railway)

Automotive: Fuel economy

Leads weight reduction by using high strength body, high strength gear, high strength connecting rod, etc.

Aerospace: Excellence properties parts

Nickel and cobalt based alloys in vital parts for aircraft, airframes and turbine units.

Railway: Electric train projects investment

May considered to use high strength low alloy steel (HSLA) – greater strength and corrosion resistance than carbon steel.

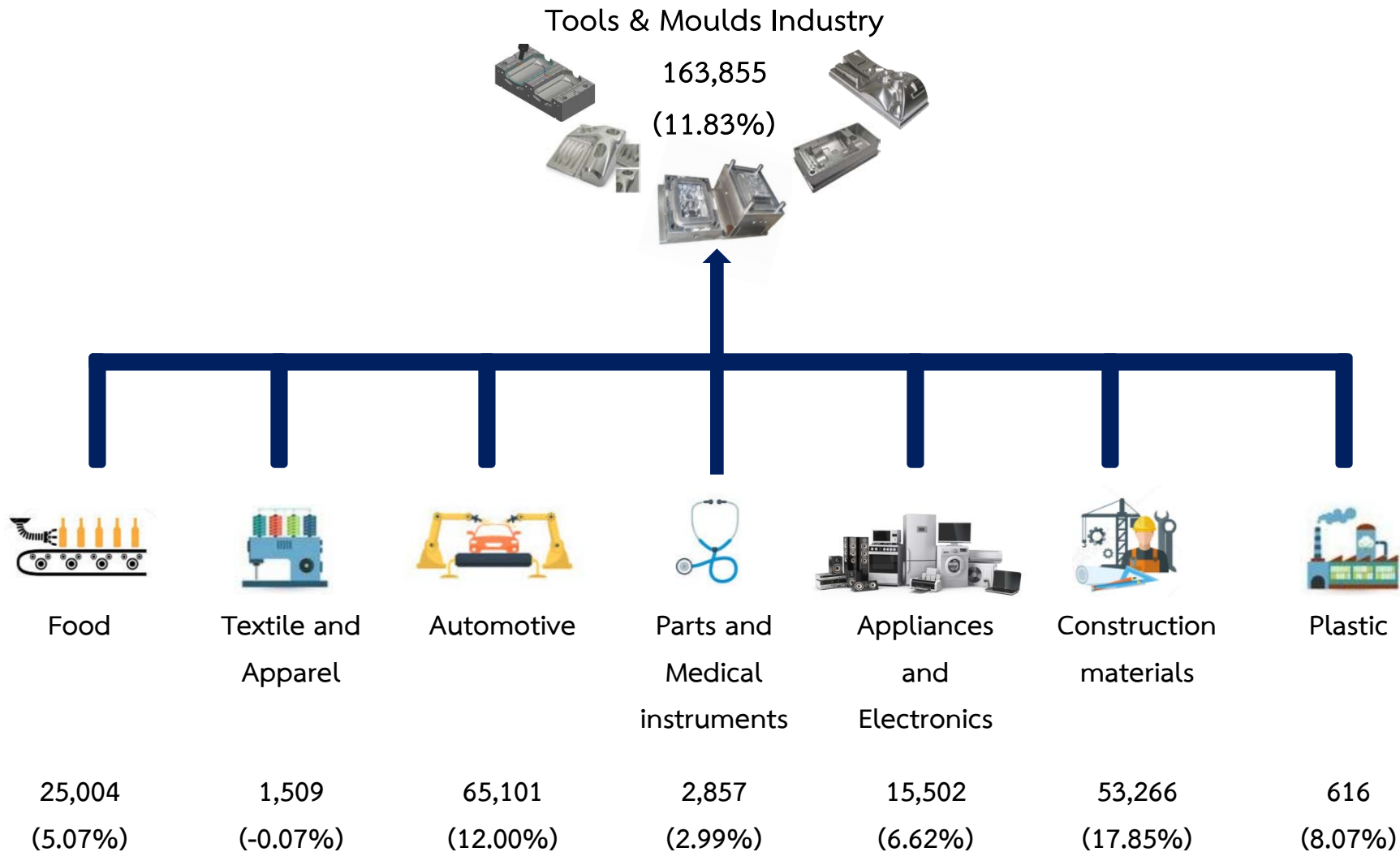


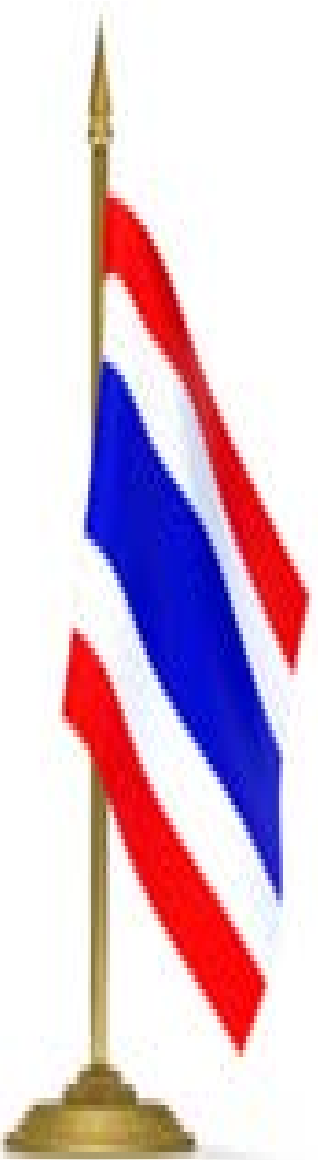
Machinery (Tool, Mould, Die)

- Long-lasting life, low maintenance costs, consistent high precision, wear and corrosion resistance .
- Require wear resistance, elevated temperature hardness, and strength to prevent breakage on the cutting edge.
- Case hardened steel, precipitation hardened steel, corrosion resistant steel or nitride steel depend on their application.

Thailand's Tools and Moulds Industry will growth by 12% in 2020.

Unit in Million Baht





สถาบันเหล็กและเหล็กกล้าแห่งประเทศไทย
IRON AND STEEL INSTITUTE OF THAILAND

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