



MALAYSIAN SPECIAL TOOLING & MACHINING ASSOCIATION

马来西亚模具暨机械加工协会

(Formerly known as Malaysia Mould & Die Association)

COUNTRY REPORT - MALAYSIA

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FEDERATION OF ASIAN DIE AND MOULD ASSOCIATIONS

(FADMA)

ANNUAL GENERAL MEETING

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Contents of report

- Engineering supporting services - background information
- Malaysia economy - facts and figures
- Malaysian Mould & Die sector - facts and figures
- Trends and opportunities

Engineering supporting services - background information

The Malaysian **engineering supporting services** covers the following sectors:

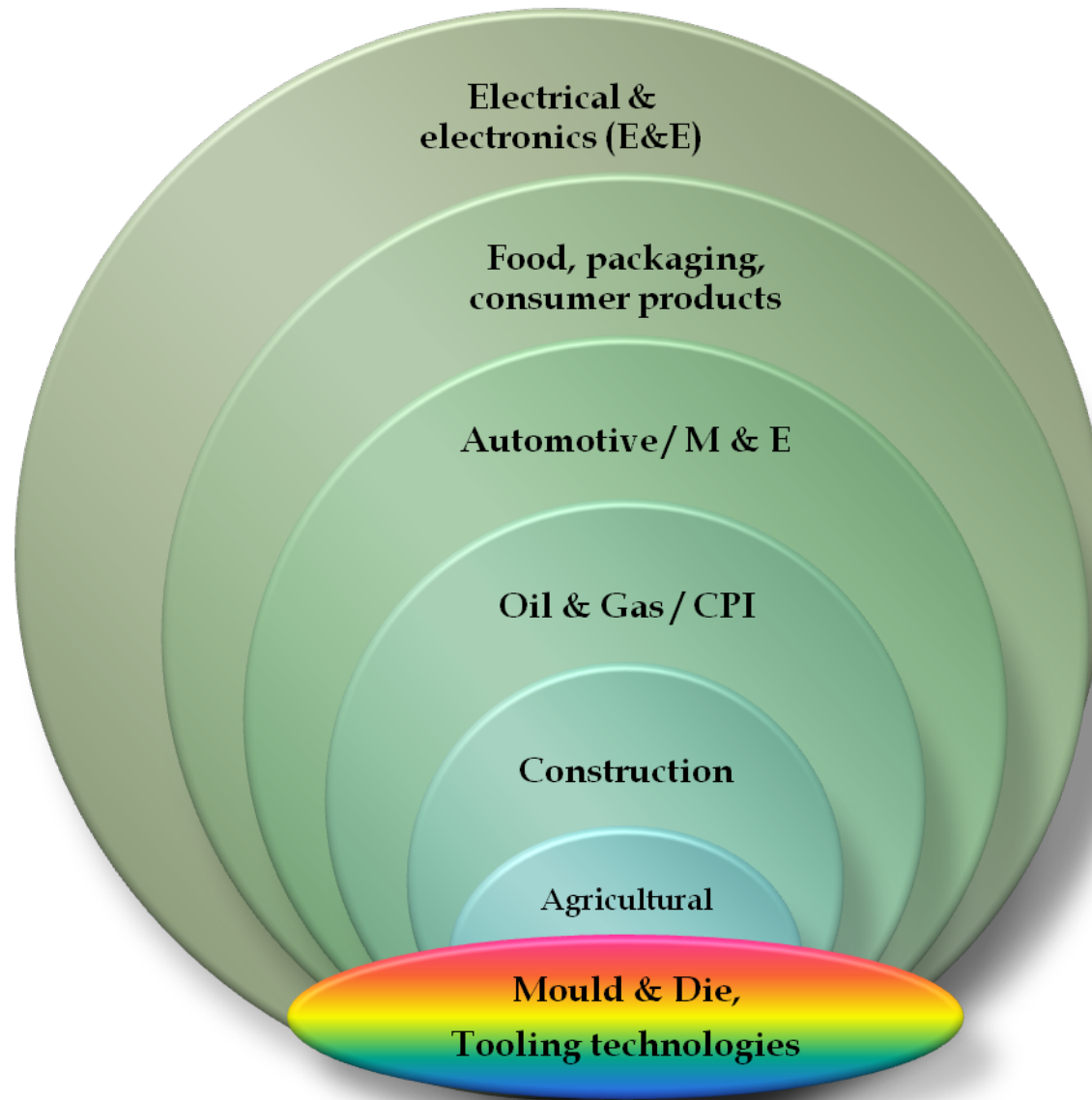
- The MOULD and DIE Sector
- The Metal Machining Sector
- The Metal Stamping & Pressing Sector
- The Casting and Pressure Die Casting Sector
- The Surface Engineering Sector
- The Heat Treatment Sector
- The Forging Sector

Engineering supporting services - background information

The Malaysian **MOULD & DIE** sectors:

- Established since the 1970s with the arrival of investments of multi-national companies, especially in the E&E sector.
- Initially set up to support these MNCs.
- Subsequently developed into full-fledged mould & die making entities with capabilities in designs, development, and fabrication of very high precision and complex toolings.
- One of the leading supporting industries.

Engineering supporting services - background information



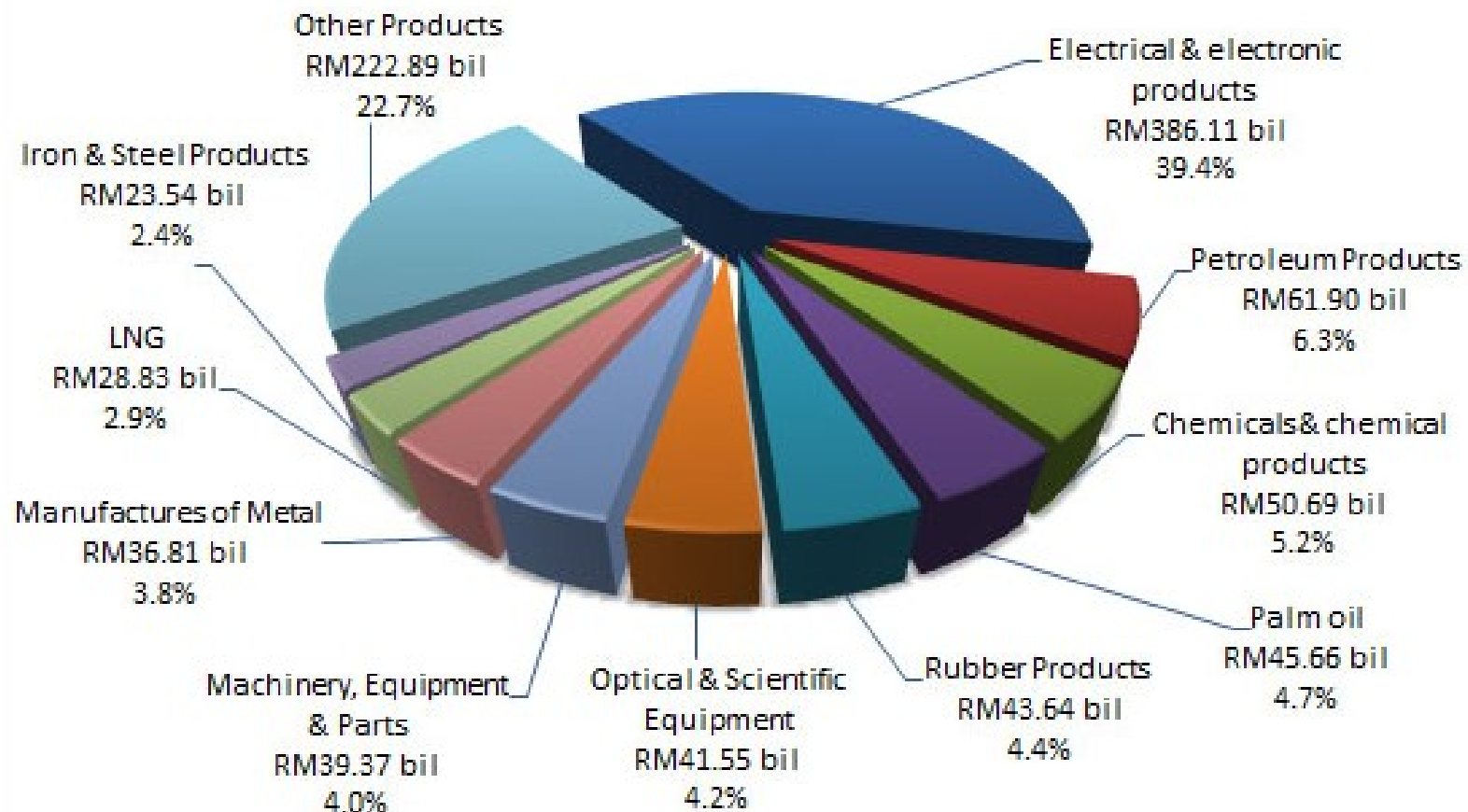
Malaysia Economy – Macroeconomic Indicators

Indicators	2016	2017	2018	2019	2020
GDP Growth (%) *World Bank	4.45	5.74	4.74	4.33	- 5.6
Inflation Rate (%) *World Bank	2.09	3.87	0.88	0.66	- 1.14
Unemployment Rate (%) *statistic malaysia	3.4	3.4	3.3	3.3	4.55

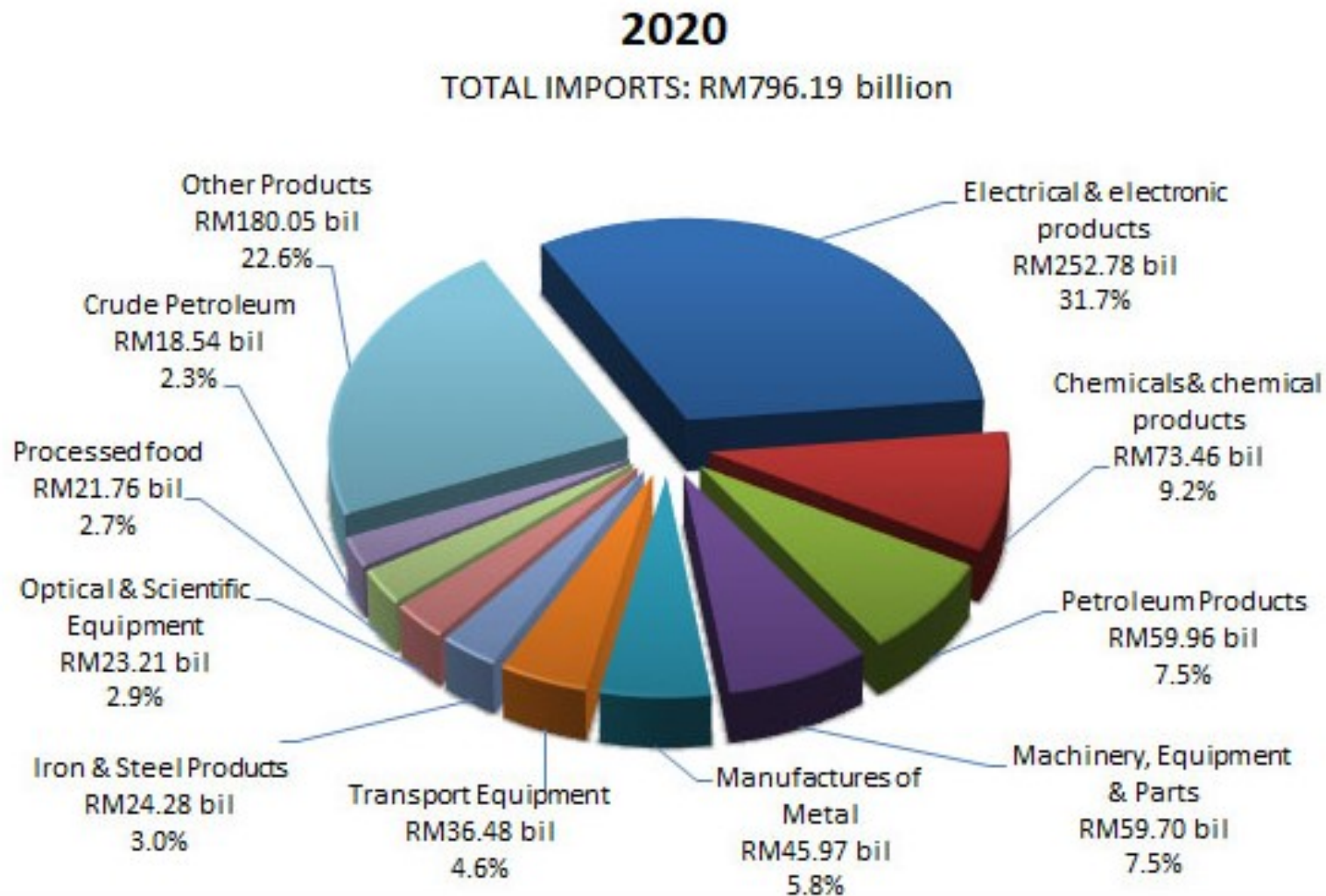
MALAYSIA'S TOP 10 MAJOR EXPORT PRODUCTS – 2020

2020

TOTAL EXPORTS: RM980.98 billion



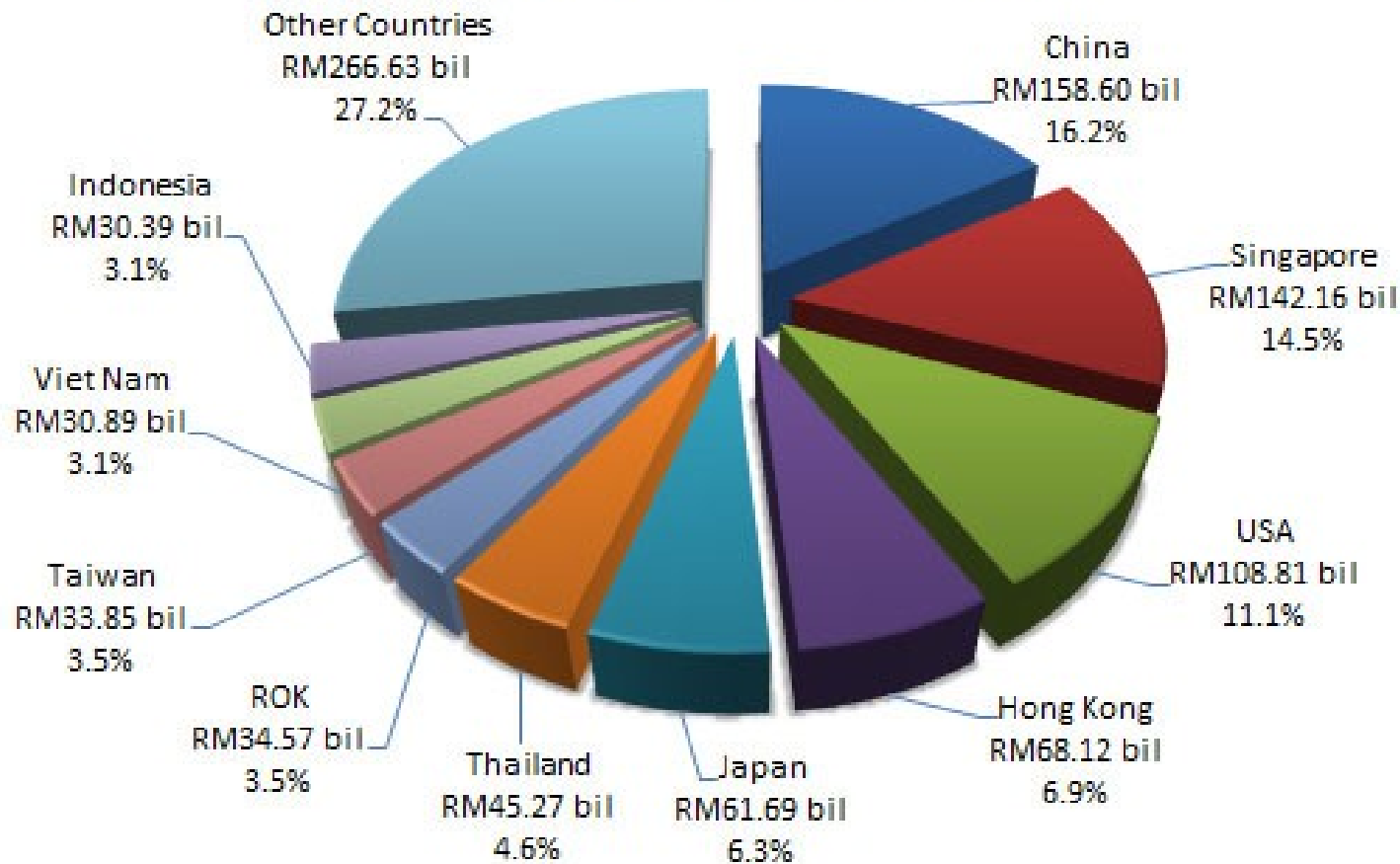
MALAYSIA'S TOP 10 MAJOR IMPORT PRODUCTS – 2020



MALAYSIA'S TOP 10 EXPORT COUNTRIES - 2020

2020

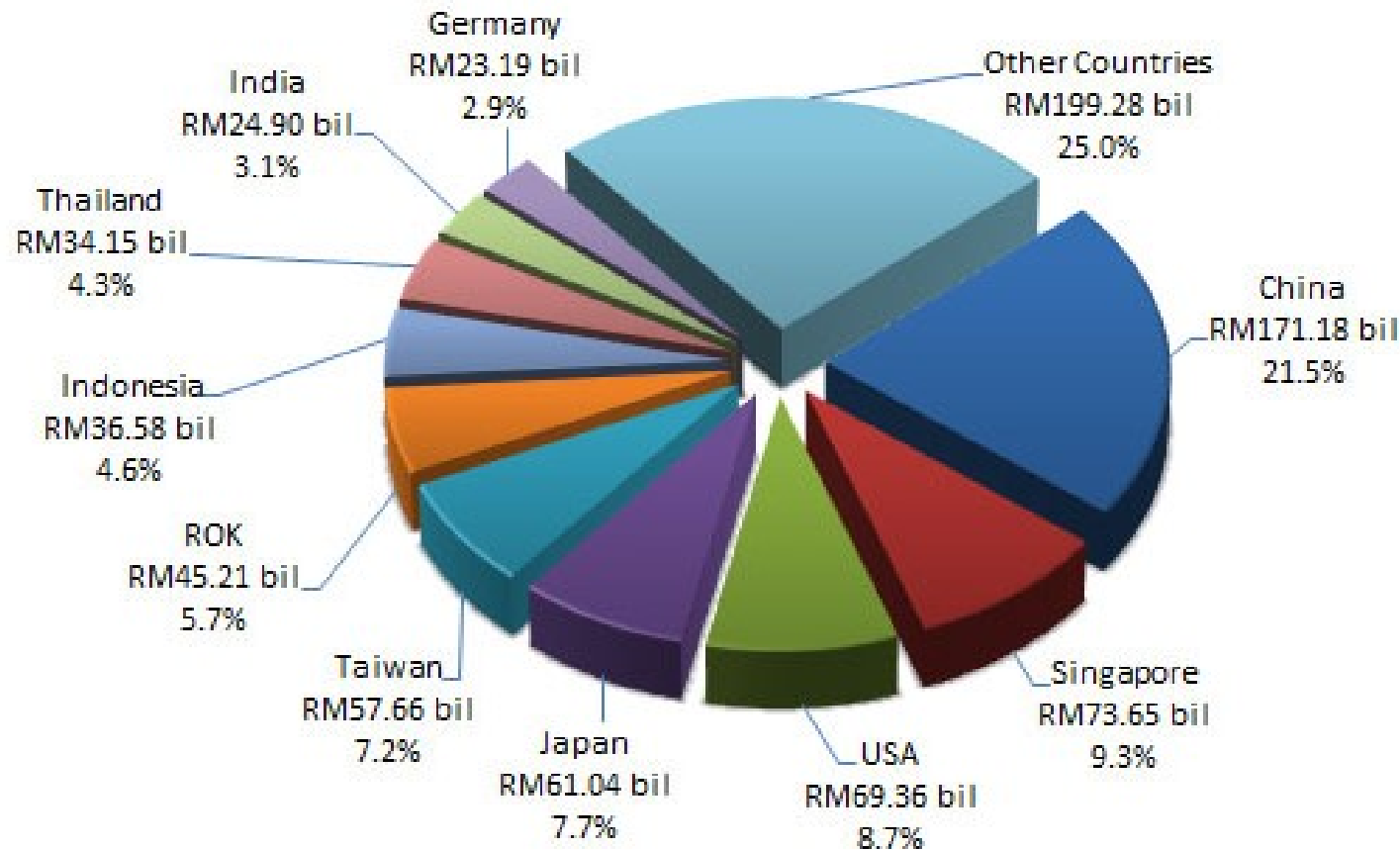
TOTAL EXPORTS: RM980.98 billion



MALAYSIA'S TOP 10 IMPORT COUNTRIES – 2020

2020

TOTAL IMPORTS: RM796.19 billion



Malaysian Mould & Die sector - facts and figures

Malaysia's Export for Mould & Die

		2019	2020	
HS CODE	DESCRIPTION	RM (million)	RM (million)	Change %
8480100000	MOULDING BOXES FOR METAL FOUNDRY	5.0		
8480200000	MOULD BASES	25.7		
8480309000	MOULDING PATTERNS OF OTHER MATERIALS, OTHER THAN COPPER	30.4		
8480410000	MOLDS FOR METAL OR METAL CARBIDES, INJECTION OR COMPRESSION TYPES	19.6		
8480490000	MOLDS FOR METAL OR METAL CARBIDES, OTHER THAN INJECTION OR COMPRESSION TYPES	65.4		
8480500000	MOULDS FOR GLASS	0.6		
8480600000	MOULDS FOR MINERAL MATERIALS	291.1		
848071	MOULDS FOR RUBBER OR PLASTICS, INJECTION OR COMPRESSION TYPES	120.0		
848079	MOULDS FOR RUBBER OR PLASTICS, OTHER THAN INJECTION OR COMPRESSION TYPES	126.2		
8486402000	DIE FOR MANUFACTURE OF SEMICONDUCTOR DEVICES	217.4		
8486403000	MOULDS FOR MANUFACTURE OF SEMICONDUCTOR DEVICES	58.6		
8207200000	DIES FOR DRAWING OR EXTRUDING METAL	44.1		
8207300000	TOOLS FOR PRESSING, STAMPING OR PUNCHING	78.0		
	Total Market Volume:	1,082.1		

Malaysian Mould & Die sector - facts and figures

Malaysia's Import for Mould & Die

		2019	2020	
HS CODE	DESCRIPTION	RM (million)	RM (million)	Change %
8480100000	MOULDING BOXES FOR METAL FOUNDRY	28.4		
8480200000	MOULD BASES	186.1		
8480309000	MOULDING PATTERNS OF OTHER MATERIALS, OTHER THAN COPPER	53.5		
8480410000	MOLDS FOR METAL OR METAL CARBIDES, INJECTION OR COMPRESSION TYPES	137.3		
8480490000	MOLDS FOR METAL OR METAL CARBIDES, OTHER THAN INJECTION OR COMPRESSION TYPES	90.0		
8480500000	MOULDS FOR GLASS	11.6		
8480600000	MOULDS FOR MINERAL MATERIALS	356.7		
848071	MOULDS FOR RUBBER OR PLASTICS, INJECTION OR COMPRESSION TYPES	339.2		
848079	MOULDS FOR RUBBER OR PLASTICS, OTHER THAN INJECTION OR COMPRESSION TYPES	372.0		
8486402000	DIE FOR MANUFACTURE OF SEMICONDUCTOR DEVICES	328.0		
8486403000	MOULDS FOR MANUFACTURE OF SEMICONDUCTOR DEVICES	37.4		
8207200000	DIES FOR DRAWING OR EXTRUDING METAL	65.3		
8207300000	TOOLS FOR PRESSING, STAMPING OR PUNCHING	101.6		
Total Market Volume:		2107.1		

Engineering Supporting Engineering

- Moving towards high value-added chain; this achieved through and driven:
 - capabilities in high precision and complex processes.
 - accumulated knowledge and experience over the last 40-50 years.
 - Investments in sophisticated equipment and processes
 - Relatively skillful workforce.
 - stringent market demand for sophistication and quality, both locally and internationally
 - Increasing costs of production and competition demand higher efficiency and quality.
 - moving towards quality rather than price driven markets

Engineering Supporting Engineering

- Focusing on high precision moulds and dies for the semiconductor, and the electrical and electronics industries.
- Companies are looking outward and moving into the export market.
- Excellent supporting services and infrastructure for investments in the manufacturing and other sectors.
- Developing into a service and supply hub for the precision engineering supporting industry.

For the Mould & Die Sector

- Both the import and export of the mould and die sector registered an increase compared to previous few years.
- The future remains bright with the continuing high annual market demand; as indicated by the significant importation of moulds and dies.
- Export opportunities to the ASEAN region remain significant; and also with increasing export trend towards the EU market.

For the Mould & Die Sector

The main focus of is in the:

- high precision moulds and dies for the semiconductor, the electrical and electronics industries
- processing of high strength materials which require moulds and dies of higher durability and quality
- supporting of the oil & gas industry
- supporting the aerospace industry
- energy related / solar power / green energy
- medical devices, parts & components
- moving towards quality rather than price driven markets

THANK YOU!

www.mstma.org.my



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