

COUNTRY REPORT 2020



Philippine Die and Mould Association, Inc.

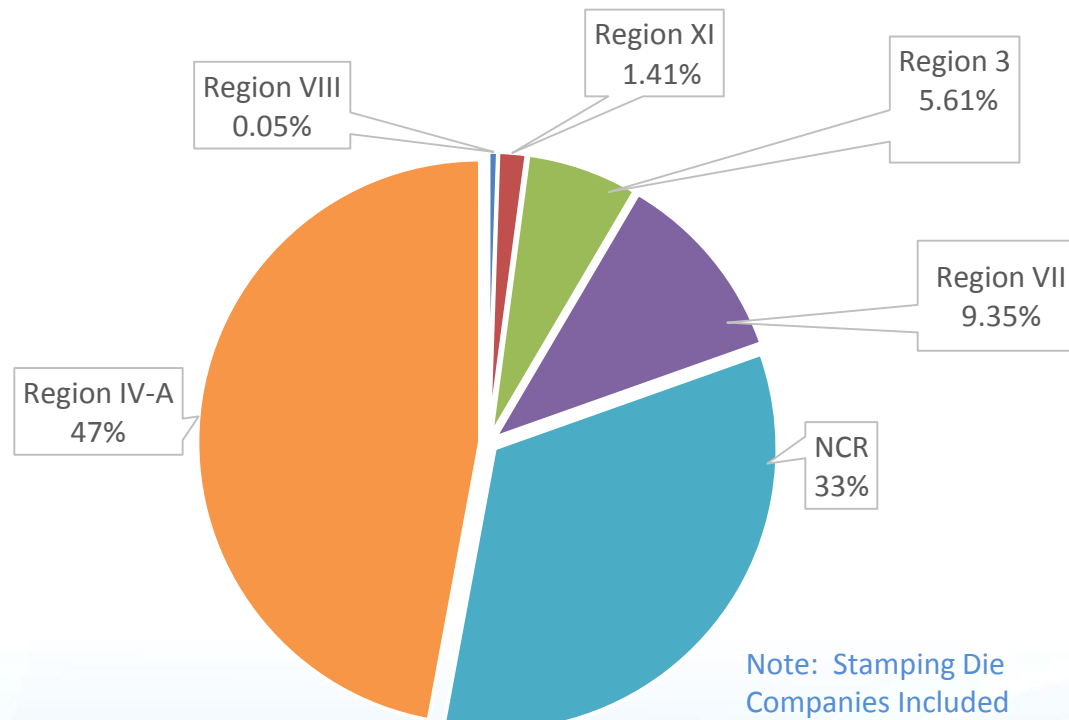
Mr. Hector Villanueva

PDMA, Inc. President

OUTLINE OF PRESENTATION

- Current Status of Die and Mold Industry
- Issues and Concerns of Die and Mold/Tool and Die Industry
- Government Incentives
- Current Programs
- Plans and Programs

INDUSTRY PROFILE

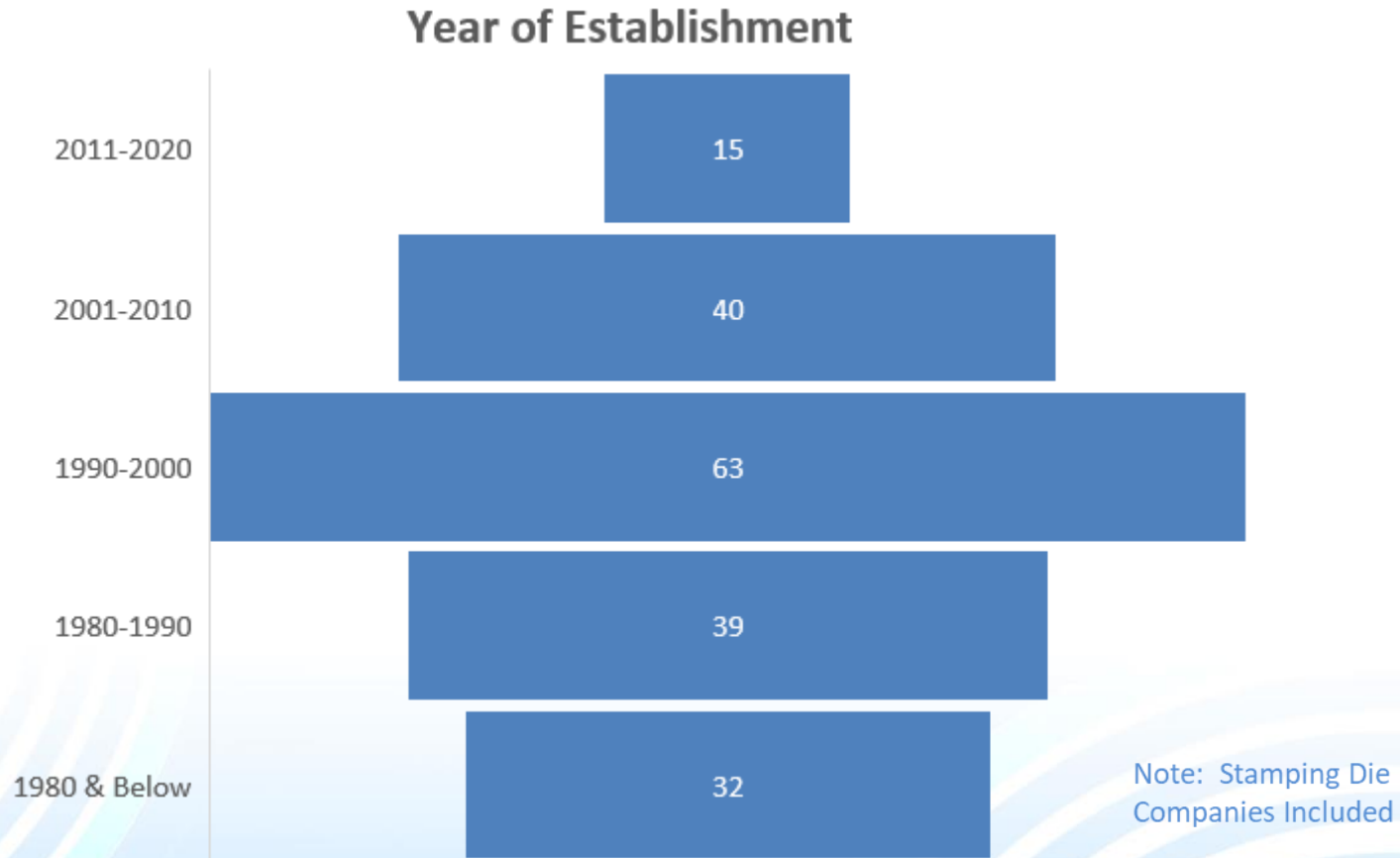


References: MIRDC 2018 Study – Philippine Die and Mold Industry
MIRDC 2019 Study – Philippine Metal Stamping Industry

Figure 1. Geographical Distribution of Die and Mold Companies

CURRENT STATUS OF DIE AND MOLD INDUSTRY

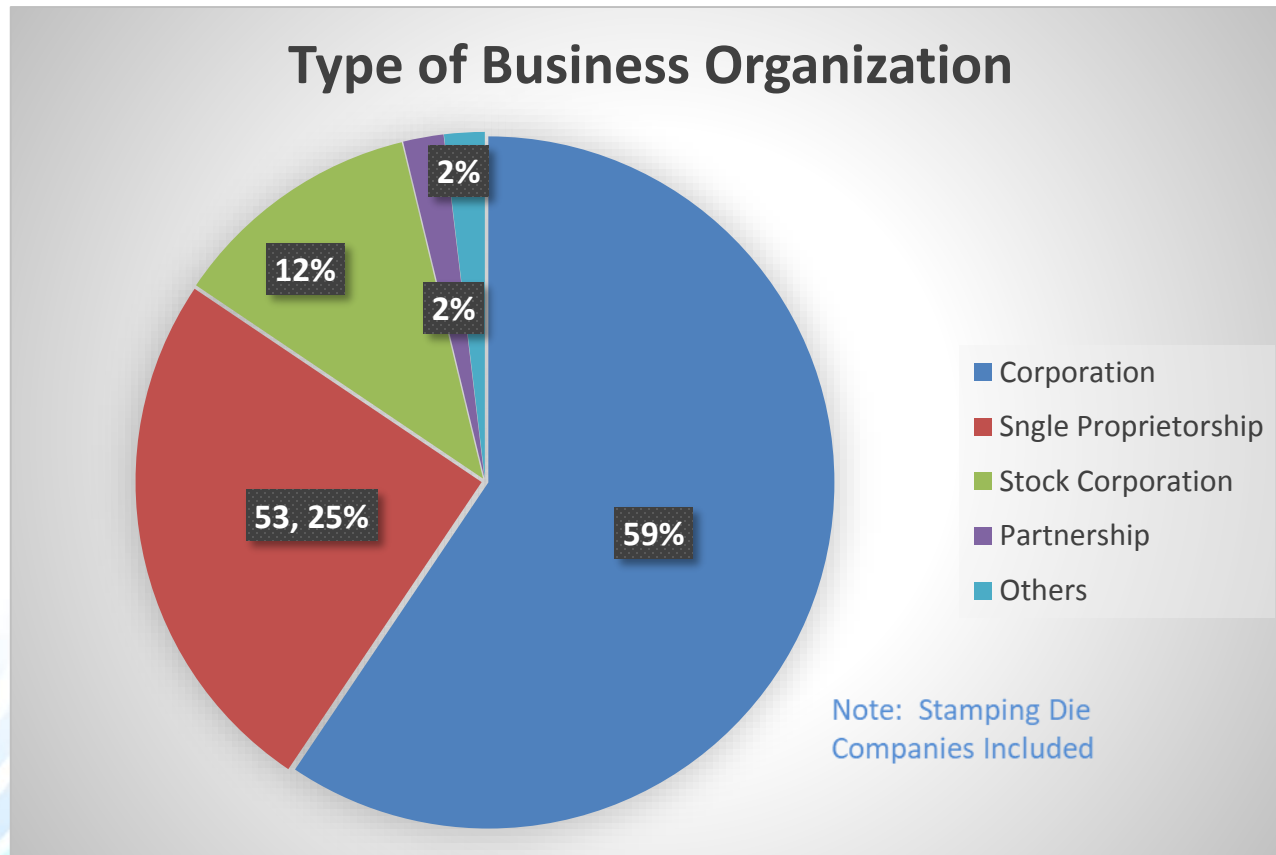
INDUSTRY PROFILE



*References: MIRDC 2018 Study – Philippine Die and Mold Industry
MIRDC 2019 Study – Philippine Metal Stamping Industry*

CURRENT STATUS OF DIE AND MOLD INDUSTRY

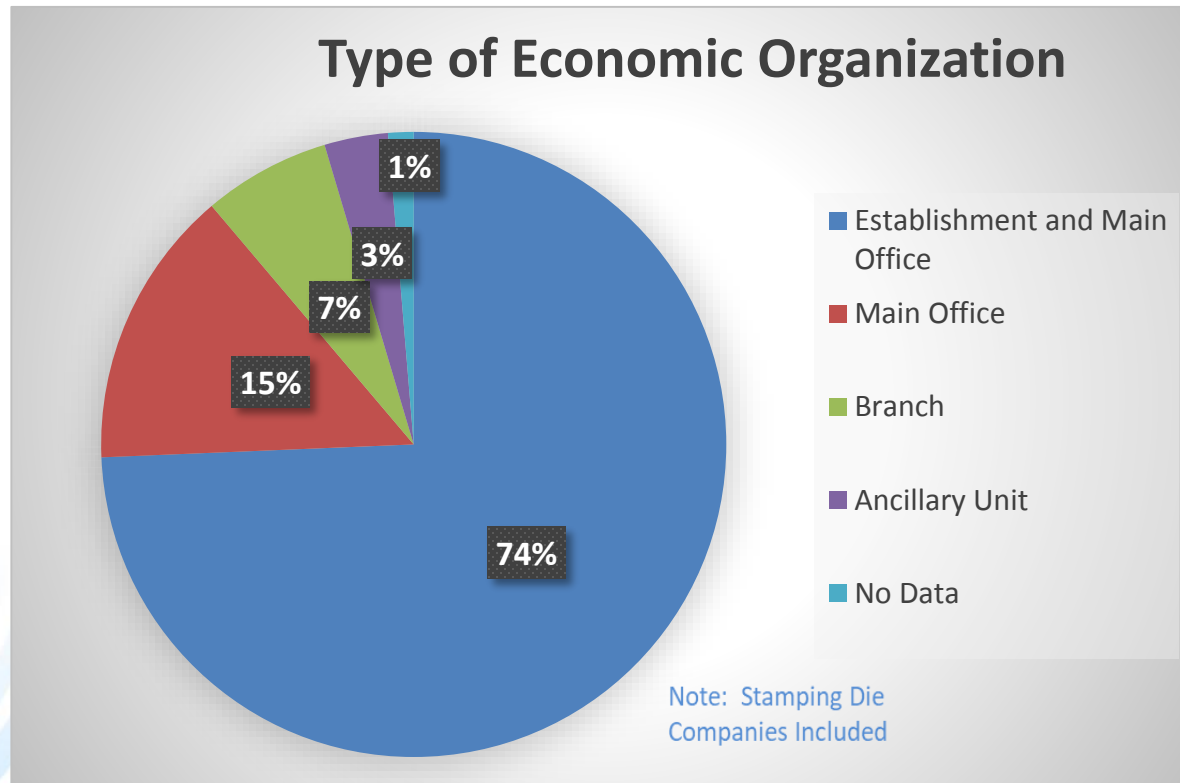
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References: MIRDC 2018 Study – Philippine Die and Mold Industry
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CURRENT STATUS OF DIE AND MOLD INDUSTRY

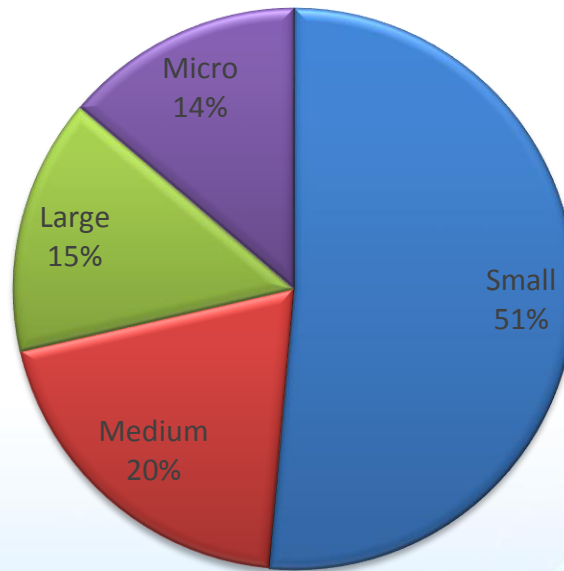
INDUSTRY PROFILE



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MIRDC 2019 Study – Philippine Metal Stamping Industry

CURRENT STATUS OF DIE AND MOLD INDUSTRY

Classification According to Number of Employees



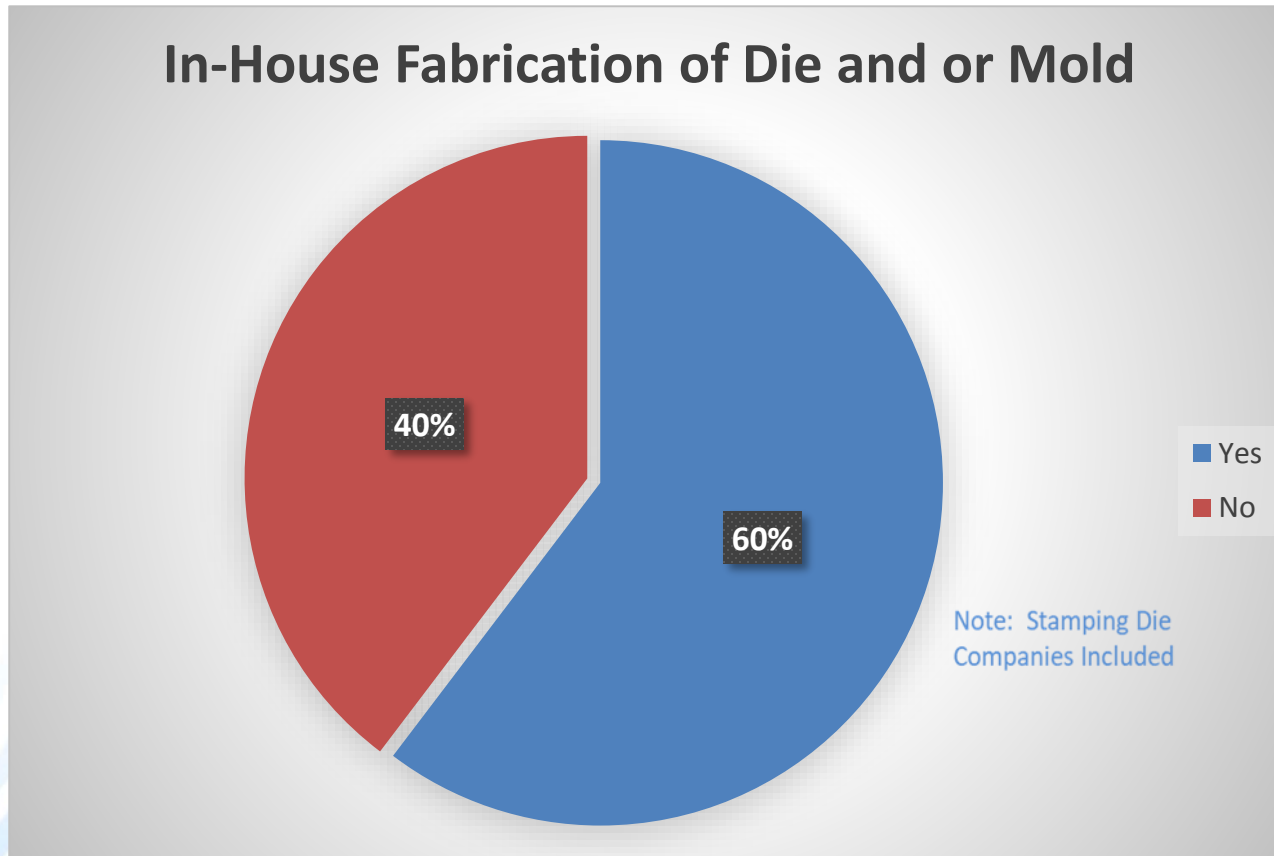
Note: Stamping Die Companies Included

■ Small ■ Medium ■ Large ■ Micro

References: MIRDC 2018 Study – Philippine Die and Mold Industry
MIRDC 2019 Study – Philippine Metal Stamping Industry

CURRENT STATUS OF DIE AND MOLD INDUSTRY

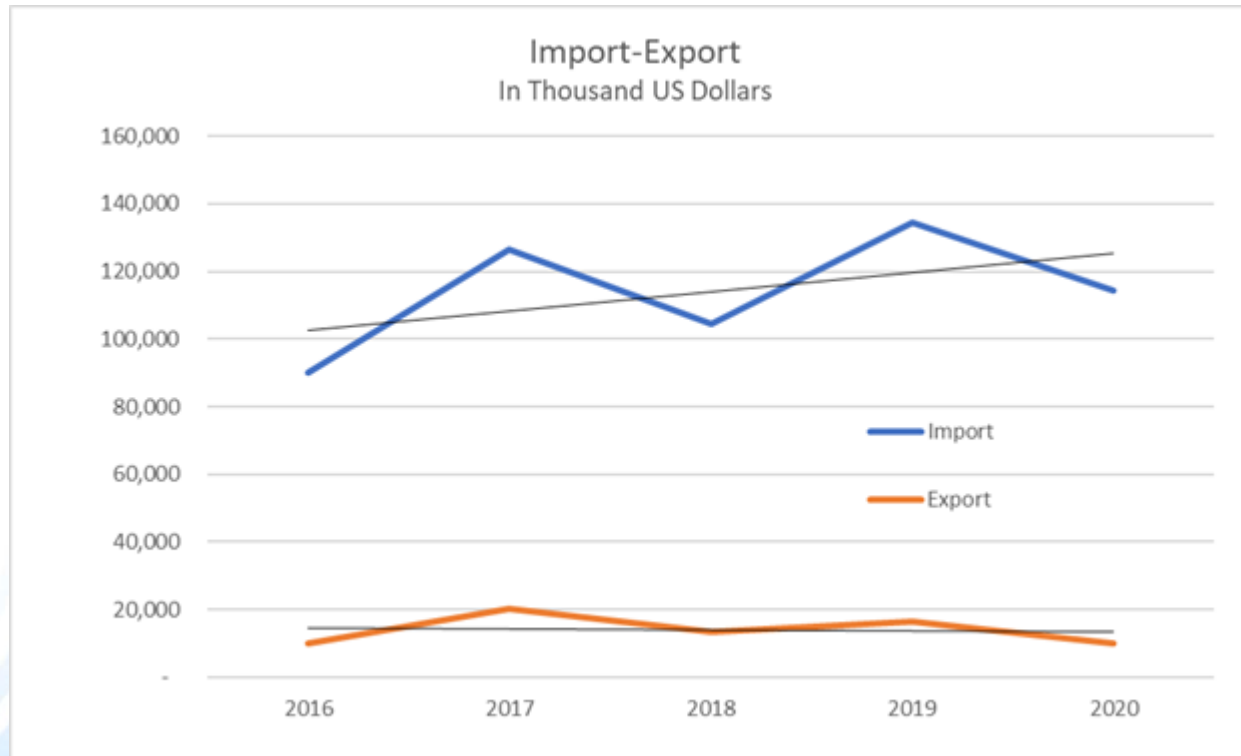
INDUSTRY PROFILE



*References: MIRDC 2018 Study – Philippine Die and Mold Industry
MIRDC 2019 Study – Philippine Metal Stamping Industry*

CURRENT STATUS OF DIE AND MOLD INDUSTRY

INDUSTRY PROFILE



Reference: BOI 2020 Study – The Tool and Die Industry in the Philippines

CURRENT STATUS OF DIE AND MOLD INDUSTRY

INDUSTRY PROFILE

Government Investment Priorities

Tool and die is qualified under the incentives as a Preferred Activity under the All Manufacturing Activity of the 2020 Investment Priorities Plan (IPP)

Reference: BOI 2020 Study – The Tool and Die Industry in the Philippines

GOVERNMENT INCENTIVES

INDUSTRY PROFILE

PASSED ACT (RA 11534) – Grants fiscal and non-fiscal incentives to enterprises registered under the program.

With incentives include:

- 1) Income tax holiday;
- 2) 5% Special Corporate Income Tax (SCIT) based on Gross Income Earned, in lieu of all national and local taxes;
- 3) Enhanced deductions;
- 4) Duty exemption on importation of Capital Equipment, raw materials, spare parts or accessories; and
- 5) VAT exemption on importation and VAT Zero-rating on local purchases.

Reference: BOI 2020 Study – The Tool and Die Industry in the Philippines

GOVERNMENT INCENTIVES

INDUSTRY PROFILE

1. Capability Building for Enhancing the Competitiveness of Die and Mold Industry Through the Engagement of Local Experts (DiMo GURU) - Phase II
2. Mold Technology Support Center (MTSC) as Catalyst of Strategic Partnerships and Cooperation Network for the Enhancement of the Philippine Die and Mold Industry

Reference: MIRDC Study

CURRENT PROGRAMS

1. Capability Building for Enhancing the Competitiveness of Die and Mold Industry Through the Engagement of Local Experts (DiMo GURU) - Phase II

- Implementing Agency : DOST-MIRDC
- Funding Agency : DTI-BOI
- Cooperating Agency : PDMA, Inc.
- Project Budget : 2M
- Year of Implementation : July 2019 to December 2020

— OUTPUT:

- No. of training programs conducted – 20
- No. of personnel trained – 175

*References: 2019 MIRDC Annual Report
2020 MIRDC Annual Report*

CURRENT PROGRAMS

2. Mold Technology Support Center (MTSC) as Catalyst of Strategic Partnerships and Cooperation Network for the Enhancement of the Philippine Die and Mold Industry

Implementing Agency : DOST-MIRDC

Funding : KIAT, DOST, PDMA, MIRDC

Project Budget : KIAT - USD 1.125M for Year 1

Year of Implementation : 3 years

Cooperating Parties:

Korean party

Korea Institute for Advancement of
Technology (KIAT)

Korea Association of Machinery Industry
(KOAMI)

Machinery Industry shared Growth
Promoting Foundation (MGF)

Philippine party

DOST-MIRDC

Philippine Economic Zone Authority
(PEZA)

Department of Trade and Industry (DTI)

Philippine Die and Mold Association, Inc.
(PDMA)

CURRENT PROGRAMS

2. Mold Technology Support Center (MTSC) as Catalyst of Strategic Partnerships and Cooperation Network for the Enhancement of the Philippine Die and Mold Industry

OUTPUT:

- 1) Finish the construction of one (1) building that will serve as the Mold Technology Support Center facility – Ongoing
- 2) No. of programs implemented – 10
3. No. of personnel trained – 1566

Reference: 2020 MIRDC Annual Report

CURRENT PROGRAMS

INDUSTRY PROFILE

Identified Needs of of DOST III and NCR: Tool and Die

S&T Concerns/Plans	Regions	2021	2022	2023	2024	2025
A. Government Facilities and Laboratories	III					
	NCR	* Establishment of Die and Mold Academy	* Hot runner mold technology	* Establishment of Die and Mold Academy	* Establishment of Die and Mold Academy	* Establishment of Die and Mold Academy
B. Future Test and Analysis (DOST-GOV Services)	III					
	NCR	* Availability of technical standards * Precision Measurement Technology at 2 microns accuracy	* Heat treatment of die and mold * Material testing for new foundry materials * mold flow simulation software	Heat treatment of die and mold	Heat treatment of die and mold	
C. Human Resource Development (Skills and Technical Training)	III	Die making training				
	NCR	* Training on CNC operations * Training on progressive molding design * Encourage schools to do toolings jobs from industries in their vicinity * Die and mold designing	* Training on good manufacturing practices * skilled die designers * Understanding Autocad technical Drawing	* Training on mold flow simulation software * national Certification Program for Die and Mold skilled die designers	* Understanding Autocad technical Drawings * national Certification Program for Die and Mold	* National Certification Program for Die and Mold

Reference: DOST – National Roadmap (CY 2020-2025) of the Metals and Engineering Sector

PLANS AND PROGRAMS

INDUSTRY PROFILE

Identified Needs of of DOST III and NCR: Tool and Die

S&T Concerns/Plans	Regions	2021	2022	2023	2024	2025
D. R&D Programs and Projects for the Metals and Engineering Sector	III					
	NCR	* Sourcing of raw materials; supply chain manufacturing * Leap-frog program on emerging technologies * Aluminum tooling for rotational molding of plastic products	* Development of Submarine Gating technology			
E. Other Concerns	III					
	NCR	- Establishment of a School Specializing Die and Mold * automation * design development	* Improve Philmet Directory by Tier-CARS Program linkages * development of Platform Softwares	* Syringe Connector Technology		

Reference: DOST – National Roadmap (CY 2020-2025) of the Metals and Engineering Sector

PLANS AND PROGRAMS

INDUSTRY PROFILE

Philippine Council for Industry, Energy and Emerging
Technology Research and Development (PCIEERD)

Call for the Tool and Die Proposals

Budget – P 38 M

Timeline – 2023 – 2025

Coverage

1. Design and development molds and die for processors and fabricators
2. Capability building and services for the die and mold needs of the manufacturing sectors.
3. Tool and die for handicraft industries.

Reference: PCIEERD – Metals and Engineering for Industry and Competitiveness

PLANS AND PROGRAMS

*Thank
you!*