

## Manpower Development

Part of its three-point agenda, the DMSC project also aimed to improve the human resource capability of the local tool, die, and mold sector through a six-month training program on Die and Mold Designing and Making (D2M2). Applicants, usually from the industry personnel, are selected based on established standards and selection criteria. In 2015, the MIRDC partnered with the Department of Trade and Industry - Bureau of Investments to further enhance the capabilities of local die and mold designers and makers through the training program.

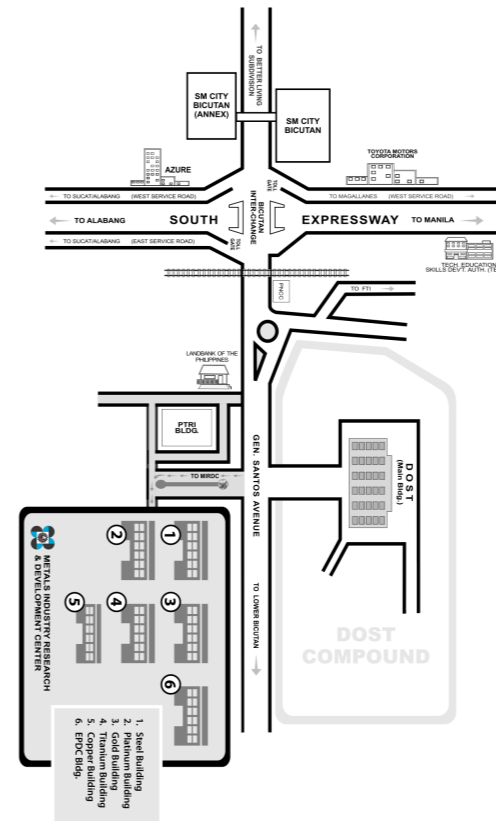


The DMSC also seeks to provide consultancy services relevant to the tool, die, and mold-making industry. In this light, the DMSC personnel will undergo rigorous training programs within and outside of the country to benchmark best practices.



# DIE AND MOLD SOLUTION CENTER

## LOCATION MAP



# DIE and MOLD SOLUTION CENTER

"Embracing Technology. Expanding Opportunity. Enabling Progress."

for more information, please write, fax, call, or email:



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## DIE AND MOLD SOLUTION CENTER

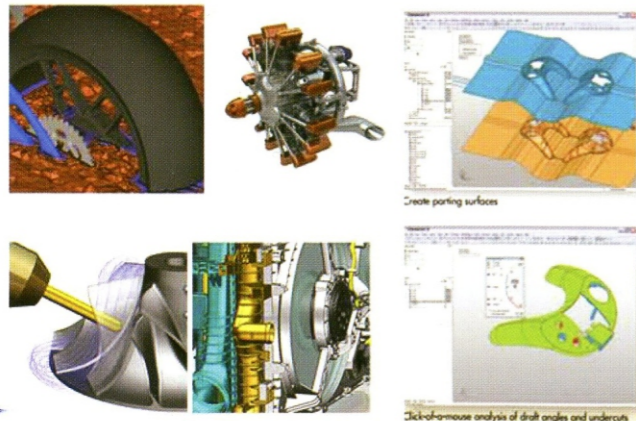
Pegged at enhancing the global competitiveness of the local tool, die, and mold industry, the Department of Science and Technology (DOST) in partnership with the Philippine Die and Mould Association, Inc. (PDMA, Inc.) implemented the establishment of the Die and Mold Solution Center (DMSC) facility housed at the newly-renovated Mechanical Workshop I Building of the Metals Industry Research and Development Center (MIRDC).

The DMSC project is comprised of three main goals in which the government can intervene, namely:

- Technology Upgrade and Modernization
- Facilities
- Manpower Development

### Technology Upgrade and Modernization

Additional design and simulation software on plastic mold injection, blow molds, and stamping dies are now made available at the DMSC. Customers can also avail of design optimization, through simulation using CAD/CAM/CAE software such as CIMATRON, Altair, Solidworks, and NX.



## Facilities

New facilities, technologies, and capabilities include advanced CNC machining (e.g., 5-axis multi-tasking, high speed), 3D printing, and CNC cutting (e.g., laser, router, plasma). Additional 3-axis CNC machines and vertical machining center, CNC EDM wirecut and sinkers, surface grinders, punch press, hydraulic shear, die spot press, power press, CNC CMM with laser scanning and vision system, and other auxiliary equipment are now in place to complement and upgrade the existing CNC machines at the MIRDC. Access to these advanced dedicated technologies and facilities on die and mold designing and making are now provided to SMEs through a shared-service-facility scheme.

### 5-axis Machining; High-speed Machining



5-axis Integrex



5-axis Variaxis

### 3-axis Machining; High-speed Machining



High Speed Vertical Machining



Integrated Manual CNC Milling Machine



VMC Smart



CNC Lathe with Milling



CNC Milling Machine



CNC Lathe Machine



CNC Lathe Machine



CNC Milling Machine



Grinding Machine

### EDM Sinking: EDM Wire Cutting



EDM Sinker



EDM Drill



EDM Wirecut

### Quality Assurance



6-axis portable CMM

### Die and Mold Repair and Maintenance



Laser Welding Machine