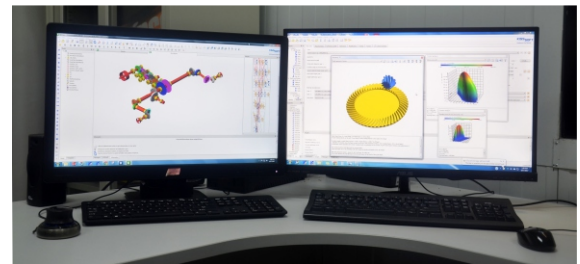


GEAR MAKING AND ASSEMBLY FACILITY

Platinum Building



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



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER**

MIRDC Compound, Gen. Santos Avenue, Bicutan, Taguig City, 1631 Metro Manila
P.O. Box 2449 Makati, 1229 Metro Manila, Philippines
Telephone Nos.: (632) 837-0431 to 38 (connecting all departments)
Fax Nos.: (632) 837-0613 and 837-0479
Website: <http://www.mirdc.dost.gov.ph>
E-mail: mirdc@mirdc.dost.gov.ph



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER**

The Gear Making and Assembly Facility is an addition to the various initiatives of the Department of Science and Technology – Metals Industry Research and Development Center (DOST-MIRDC) aimed toward enhancing local capabilities for gear design and prototype production, and to develop gear assembly manufacturing industry for transport, metalworking, and agro-industrial applications.

Housed at the newly renovated Platinum Building, the Gear Making and Assembly Facility is complete with Machine and QA Rooms, as well as with Training and Office Rooms, among others.

The Gear Making and Assembly Facility is intended to design, develop and produce specialized gears and gearboxes for the DOST-MIRDC developed Hybrid Electric Train and for other outputs identified by the Metalworking Industries Association of the Philippines (MIAP). The facility's world-class capabilities are attributed to the highly skilled personnel and its line-up of modern equipment.



The DuraMax RT is a bridge-type measuring machine with a rotary table. The rotary table enables the user to increase their flexibility and save measuring time.

Other equipment acquired under the Gear Making and Assembly Facility project also include: the Okuma 5-Axis Vertical Machining Center (MU-6300V); the CNC Gear Hobbing Machine (GE25A); CNC Gear Shaping Machine (ST25 CNC); Gear Shaving Machine (FE30A); and CIMAT Dynamic Balancing Machine (CMT-1500 H2P).

Gear Hobbing Machine GE25A



5-Axis CNC Machine Okuma MU-6300V



ST25CNC Gear Shaper



FE30A Gear Shaver



Dynamic Balancer CIMAT CMT



The Gear Making and Assembly Facility will provide facility-sharing services for the production of gears and transmission system, as well as for developing training curriculum for gear design and manufacturing.