

**HMT'S ASSOCIATION WITH ISRO IN RESPECT OF THE RECENT  
LAUNCH OF CHANDRAYAAN - 2**

HMT feels proud to be associated with the recent successful launch of Chandrayaan-2 by ISRO project through supply of products and services to meet the exacting standards of ISRO. HMT's connection with the project included the twin associations as detailed below:



Chandrayaan -2

The Solid Rocket Motors of Chandrayaan-2 launch vehicle were machined on the 3-Axis CNC Vertical Facing Mill Machine supplied by HMT's Hyderabad Unit while

HMT's Kochi Unit was associated in assembly of GSLV Vehicle Control System Components at ISRO's GOCO Centre. HMT Machine Tools Limited, Hyderabad Unit has designed, developed, manufactured and assembled the 3-Axis CNC Vertical Facing Mill for supply to ISRO's Satish Dhawan Space Centre, Sriharikota (SDSC SHAR) for machining of solid rocket motors. The machine is with state-of-the-art technology with various sub-systems, remote CNC controlled system to machine extremely hazardous solid propellant and high speed machining for motor insulation. All parameters of the machine were validated during the pre-dispatch inspection thus confirming the entity's strength to build such high-end machines.

It is significant that HMT has manufactured such a large 3-Axis CNC Vertical Facing Mill Machine for the first time in India as an import substitution under "Make in India" Initiative of the Government of India. The average requirement of this machine in India is 2 to 3 machines per year. In view of the indigenous development of this machine, the imports can be reduced to the tune of approximately Rs.50 Crore. Apart from this, HMT's Kalamassery Unit has also contributed its skill in assembling the GSLV Vehicle Control System Components in their manufacturing plant, ISRO's GOCO Centre.

HMT's Hyderabad Unit team was congratulated by Shri Bala Murali, Senior Scientist of ISRO's SDSC SHAR, Sriharikota in ISRO's Mission of Chandrayaan-2.

HMT's teams of Engineers feel a sense of achievement with these twin contributions. HMT is confident of continuing to be a part of ISRO's Space Missions with increased contributions in future.



HMT-Special Purpose Single Column 3-Axis  
CNC Vertical Facing Mill