THE MACHINE IS CAPABLE OF:

- Railway wheel front & back plate profile machining, hub boring & facing, rim front & back facing, tread & flange profile turning and various grooving operations.
- Various drilling & lapping operations as well as holes for brake disc mounting can be done on railway wheel by optional live spindle.
- General purpose boring/taper boring on different components like brake discs, axle box, etc.
- General purpose turning/taper turning on different components
- General purpose facing operations on different components like brake discs, axle box, etc.

BEST VALUE FOR MONEY

- Rigid & robust close-grained cast iron structure enabling vibration free & chatter-free machining
- Bed & column in thermo-symmetric design for maximum accuracy
- Table supported on large diameter thrust bearing & taper roller bearing for maximum accuracy
- Three jaw self-centering hydraulic chuck or four jaw independent chuck
- Fixed cross rail
- Machine enclosure to shield the operator from chips/swarf
- Combination of hardened & ground box guideways with linear motion pads for maximum rigidity and accuracy
- 12 automatic tool changer
- Siemens SINUMERIK 828 D CNC controller with open architect and WIN flex software
- Sandvik/Widia toolings

AVAILABLE ON REQUEST

- Moving cross rail
- Automatic tool changer with more than 12 stations
- Double Ram on request/option
- Live spindle
- Tool up proposal for specific components

The machine can be fully integrated in production line together with optional, dedicated Railway wheel loading. It is also done for unloading arrangement. Specific proposal can be made on request for not just railway wheel but also for other components.

Technical Parameters

- Turning/Swing Diameter: 1600mm
- Table Diameter: 1400mm
- Table Speed: from 3 to 300rpm
- Turning Height: 600mm
- Vertical Travel of the Ram Head: 700mm
- Table Drive Motor Capacity: 45KW
- Horizontal Traverse of Ram Head: +900/-50mm
- Rapid Traverse Rate: 8000mm/min
- Ram Cross Section: 200 x 200mm or 250 x 250mm
- Surface Finish while Boring: Ra 0.8 micron
- Surface Finish while Turning: Ra 1.6 micron
- Surface Finish while Facing: Ra 1.6 micron
- Machine Accuracies - As per ISO 3655
- Vertical & Horizontal Travel of Ram Laser Calibrated as per VDI DGQ 3441

Above parameters can be suitably altered to meet specific requirements.