

BRAKE DISC ROLLING CENTER 7796

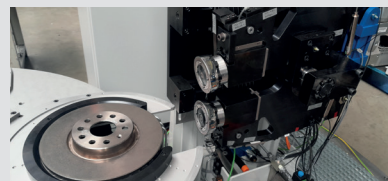
EFFICIENT BRAKE DISC MANUFACTURING

AREAS OF USE AND APPLICATION

- Designed for car and truck brake discs requiring compliance with the strict Euro 7 emission and durability standards
- Achieves up to 75% reduction in surface roughness – ideal for coated surfaces and long-term performance
- Eliminates residual tensile stresses, reducing cracking and increasing part lifespan
- Enhances coating adhesion through optimized surface preparation
- Corrects laser cladding warping through precise cold-forming roller burnishing

ADDED VALUE

- Improved crack resistance and longer component life under thermal and mechanical stress
- Lower corrosion risk for both coated and uncoated brake discs
- Stronger coating adhesion through elimination of residual tensile stress
- Up to 40% lower grinding and energy costs by reducing post-machining effort
- No need for stress-relief heat treatment
→ lower energy use and faster production
- Backed by 100 years of precision rolling expertise from HEGENSCHEIDT
- Trusted Tier-1 automotive supplier for OEMs globally



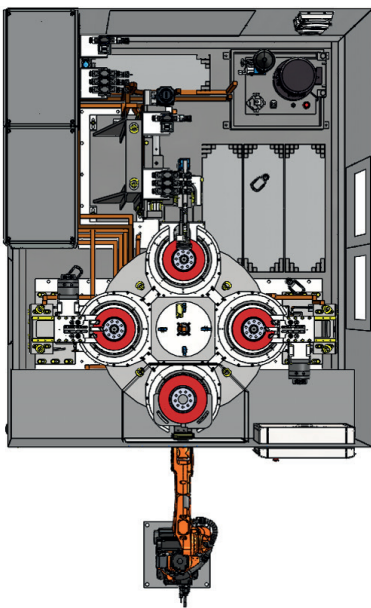


TECHNICAL SPECIFICATION

GENERAL MACHINE PROPERTIES:

- Parallel loading and machining for uninterrupted operation and higher throughput
- Simultaneous, force-controlled rolling on both disc sides for perfect symmetry and reduced handling time
- Real-time process monitoring and data logging for full traceability and quality assurance
- Fast cycle time of ~35 seconds (30s machining + 5s handling) to maximize output
- Quick-change tool design for minimal downtime during part changeovers

7796 – STANDALONE FULL-COVERED SYSTEM



- Compact footprint: ~2.5m x 3m
- 4-station turntable enables continuous operation and high productivity
- Supports both manual and automatic loading for flexible deployment
- Optional add-ons (measuring, cleaning, marking stations)
- Quick-change tooling for trays and clamps minimizes downtime
- Fully enclosed design ensures safe operation and easy maintenance access

7796 – INTEGRATION MODULE / BUILT-IN VERSION

- Core machine footprint: 1.5m x 0.9m
- Auxiliary equipment: ~2m x 2m
- Engineered for seamless integration into existing production lines/cells

