

Roll Grinding Solutions for the Metal Industry

HYBRID ROLL TECHNOLOGY™

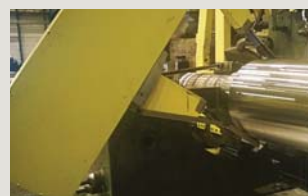
RollResearch International Ltd. offers a comprehensive scope of roll grinder modernizations for the metal industry. We supply Siemens automation control, fully fitted electrical cabinets, servo drives and motors. We also offer our own sophisticated on-line measuring and inspection solutions, and are able to carry out mechanical overhaul and replacement of worn parts. Remote diagnostics and spare part services are part of our customer care.



Herkules work roll grinder, modernized in 2015

Siemens automation control

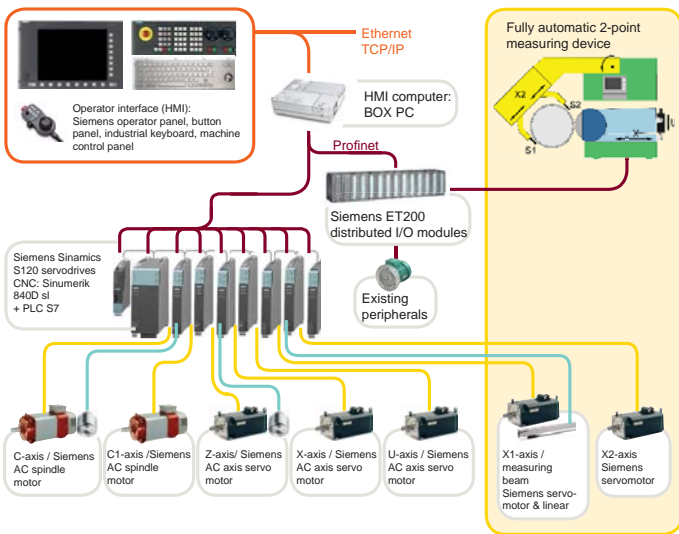
- Sinumerik 840D sl or 840DE sl
- PLC Simatic S7 - 300



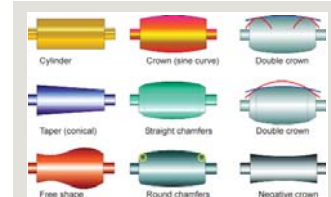
On-line roll measuring devices with integrated eddy current & ultrasonic inspection system



Operator interface & grinding and measuring application software for Windows 7



RollResearch Automaton Lay-out



Various roll profiles for grinding

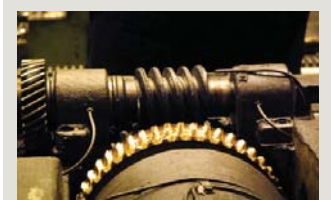


Electrical cabinets

- EU and international standards applied



Siemens Sinamics servo drives and motors



New mechanical parts and lubrication systems



Hybrid Roll Technology™ is proprietary to RollResearch International Ltd.. It encompasses the distinctive features,

- on-line measurement
- on-line roll inspection
- automatic CNC grinding

The scope of our deliveries also encompasses accessories and spare parts which are vital in keeping your rolls always in top condition.



Coolant filters



SBS Schmitt automatic wheel balancing

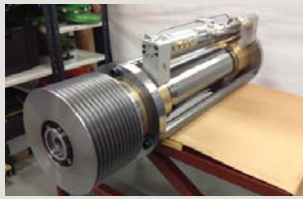


Eddy current & ultrasonic inspection system

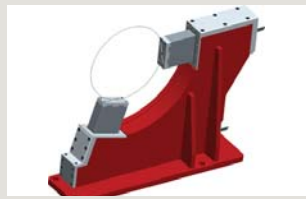
- integrated with Sinumerik 840D CNC



Neck lubrication systems



Hydrostatic grinding wheel spindle



Steady rests & gibs



Guideway condition analysis

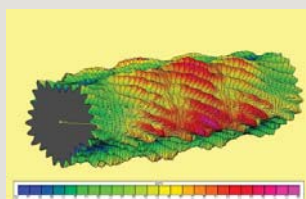


Foundation design & drawings
Vibration damper units

Our services for worldwide customers not only cover roll grinding solutions and technology but also a wide range of customer support functions.



Remote service and diagnostics



- research
- troubleshooting
- condition analysis



Mechanical refurbishing

- rescraping
- alignment



Customer training



RollResearch International Ltd. global sales and service network is ready to serve our customers worldwide.

Solution Partner

Automation and Drive Technology

RollResearch International Ltd. is a certified member of the International Solution Partner Program of Siemens Corporation. Siemens products and components are in the core of RollResearch's delivery scope for the global metal industry. Certified Partners operate responsibly, ensuring good local service, high quality and related knowhow.

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