

# Roll Grinding Solutions for the Paper Industry

## 3D GRINDING TECHNOLOGY™

RollResearch International Ltd. offers a comprehensive scope of roll grinder modernizations for the paper industry. We supply Siemens automation control, fully fitted electrical cabinets, servo drives and motors. We also offer our own sophisticated 4-point measuring and 3D grinding 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.

### Siemens automation control

- Sinumerik 840D sl or 840DE sl: open, flexible, powerful- the premium CNC system
- PLC Simatic S7: an ideal universal automation system

### 3D Grinding Technology™

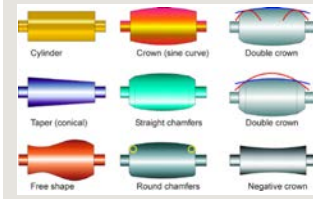
- High precision and reliable grinding
- 4-point measuring to guarantee true roundness measurement
- Automatic CD&MD compensation



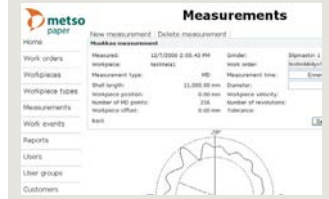
Automatic 4-point measuring



Operator interface & grinding and measuring application software for Windows 7



Various roll profiles for grinding



Roll data management

- Web based roll shop software



Siemens Sinamics servo drives and motors

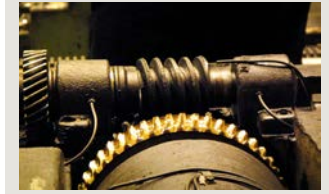


Electrical cabinets

- EU and international standards apply

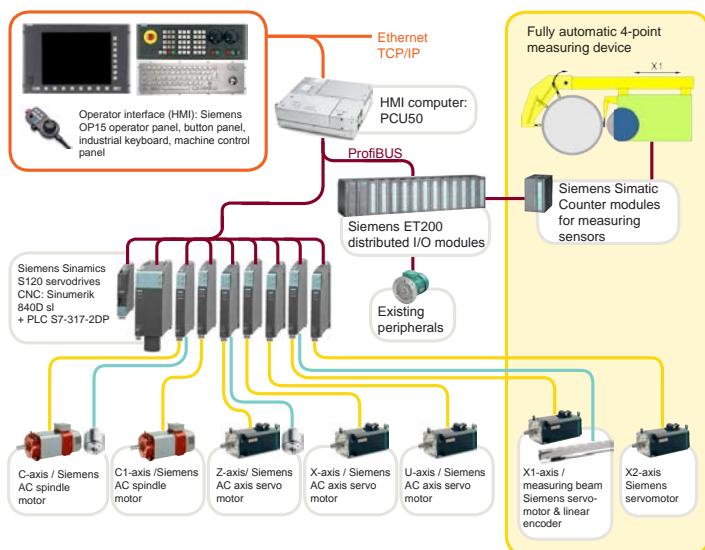


Dressing station



New mechanical parts and lubrication systems

## ROLLRESEARCH AUTOMATION LAY-OUT



Xianfeng grinding machine, fully modernized in 2013

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



3D TurnControl™  
 • High precision turning system for supercalender lathes



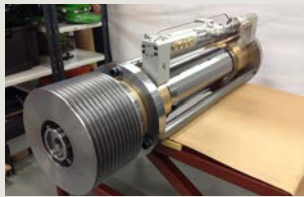
SBS Schmitt automatic wheel balancing



Coolant filtering system



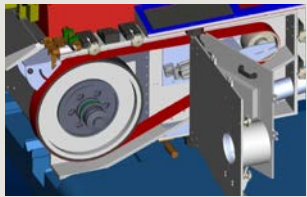
Superfinishing device



Hydrostatic grinding wheel spindle



Steady rests & gibs



Belt grinding device  
 • integrated and attachment models

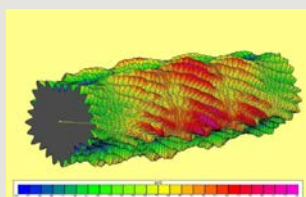


Venta-nip grooving attachment  
 • various models

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 steel industry. Certified Partners operate responsibly, ensuring good local service, high quality and related knowhow.

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