



SUD OUEST SYSTEME  
machines outils

## Machine Tool Renovation

Total or partial



### CUSTOMIZED PROJECT

- **Analysis** of your needs, **definition** of specifications, **proposal** of a technical solution adapted and costed.
- **Design, solution development** (mechanical, electrical, automation design office)
- Launch **parts supply**
- **Realizations** (assembly, mounting, wiring and adjustment of your machines)
- **Shipping, delivery and machine installation** in your building
- **After sales service**





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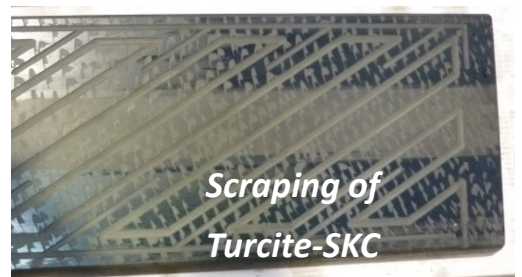
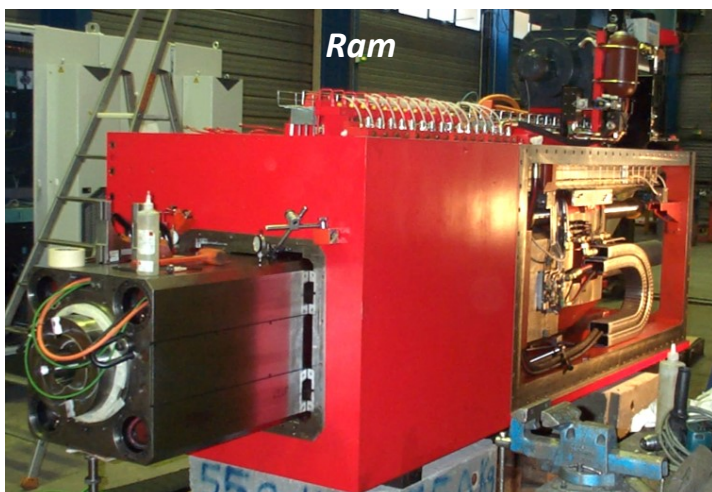
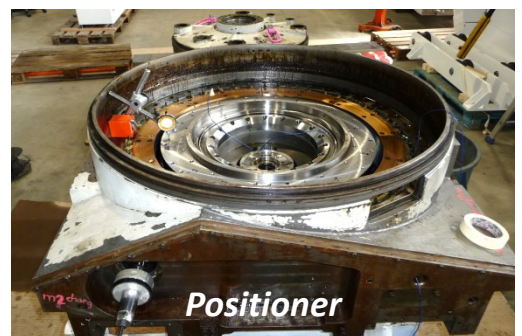
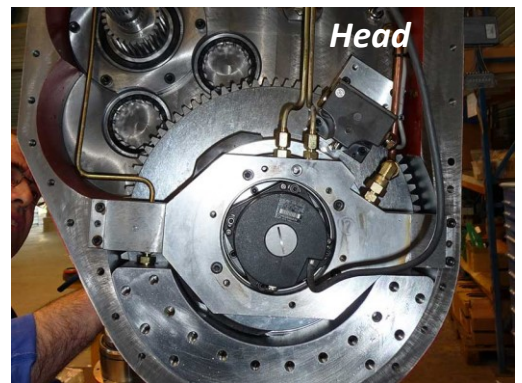
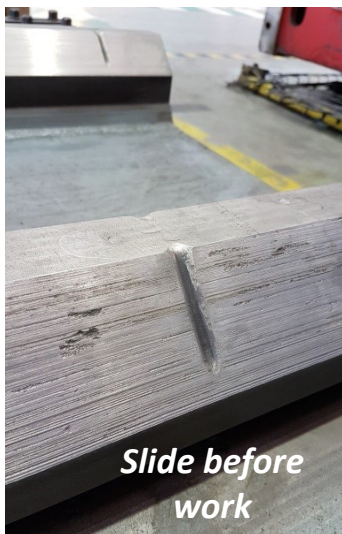
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### MECHANICAL / HYDRAULIC

- **Complete retrofit** and / or replacement of mechanical / hydraulic components
- **Renovation of sub-assemblies** (head, spindle, positioner, gearbox...)
- **Machine transformation** (tool changer, extended ranges, conveyors)
- **Machine carterisation** modification
- **Geometry and mechanical adjustment** (rebuild, laser, levelling, scraping)







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### ELECTRIC / AUTOMATION

- **Obsolescence study** for implantation of recent technology materials
- **Renovation or replacement** of electrical cabinet
- **Replacement of numerical control** (NUM, Siemens, Fanuc, Heidenhain)
- **Performance increase** (speed, torque, powers)
- **Replacement of motorizations, variators, controls**
- **Upgrading to standards** (electrical safety, automation...)
- Specific **HMI development**, axis optimization

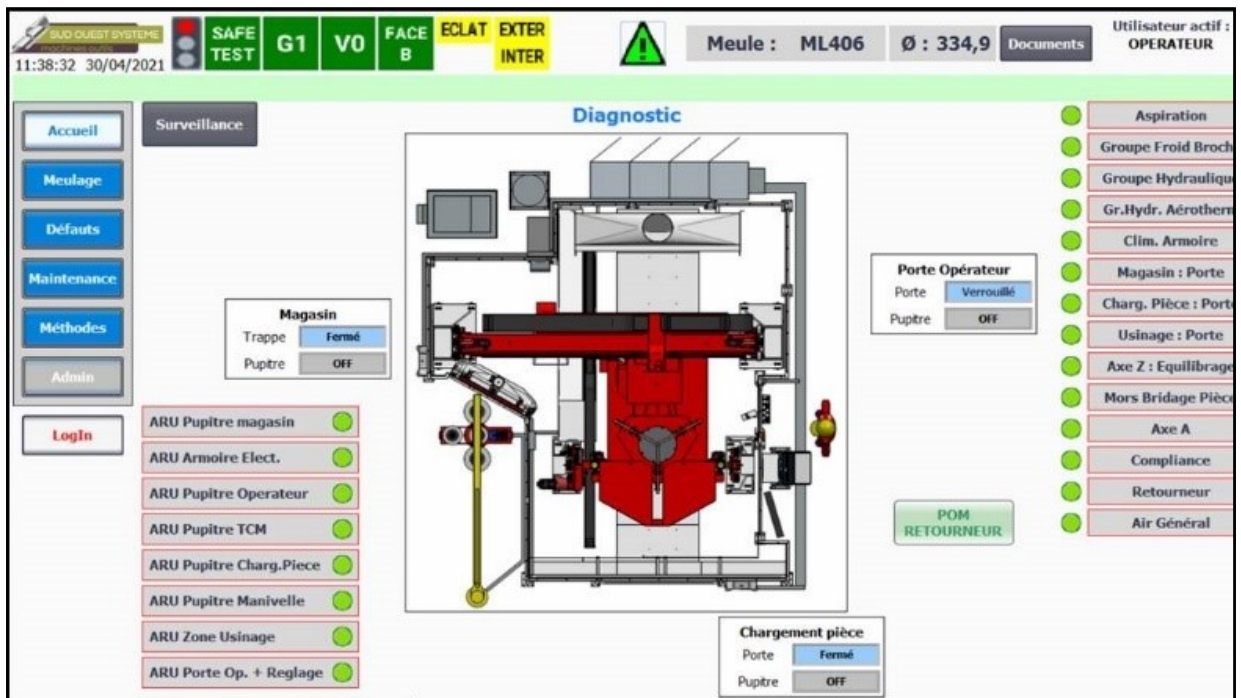


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### MAINTENANCE 4.0

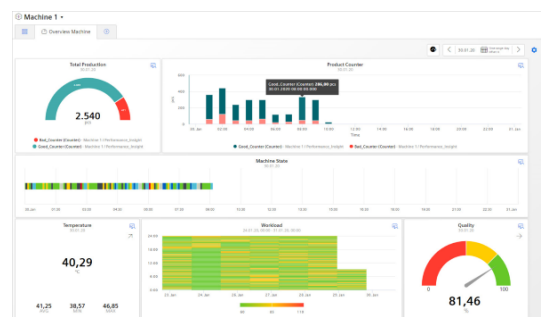
- Specific HMI for locating faults



- Remote maintenance with remote repair of your machine



- Recovery of machine data (start, stop, errors, etc.) in order to create performance indicators





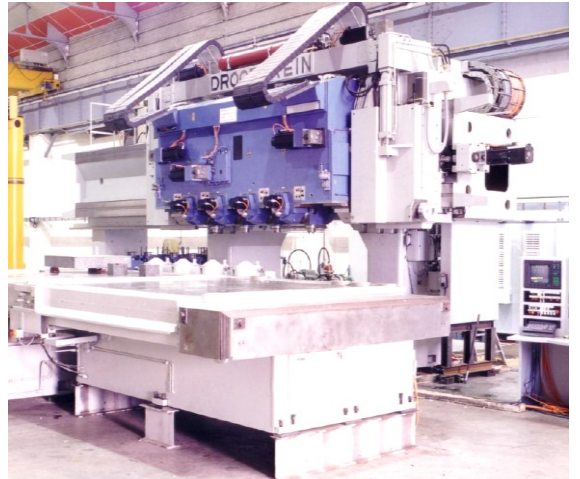
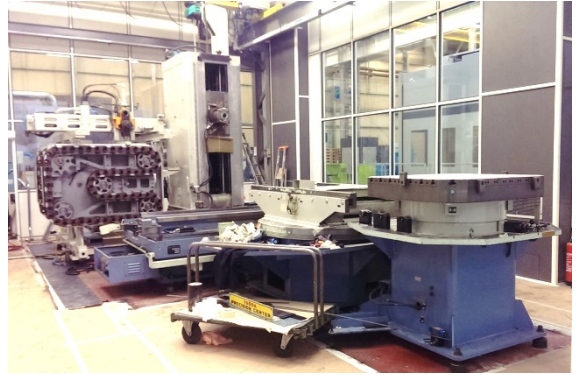


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## MISCELLANEOUS RETROFIT EXAMPLES







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### MISCELLANEOUS RETROFIT EXAMPLES / ELECTRICAL CABINETS

