



Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 1524-06172200

Overview and Technical Data:

**Comprehensive Welding and Machining Line
for Complete Wheels (Rims & Discs)**

NOT DEFINED



Multiple Makes or Not Defined

Year of Build: Jan 2008



Description:

For sale is a highly automated and exceptionally complete production line for the assembly, welding, machining, and final inspection of complete wheels.

The line is consistently automated with a large number of Kuka robots (mostly from 2008) and features premium components from manufacturers such as Georg, SMG, Cloos, Danobat, and IEF Werner. From the initial assembly press, through a five-station welding system, to three CNC turning centers, measuring machines, and a shot blasting unit, this line covers the entire manufacturing process.

This facility represents a turnkey solution for the mass production of welded complete wheels, distinguished by its high degree of automation and the integration of state-of-the-art manufacturing and quality assurance technologies.

For sale: Complete wheel welding & machining line with Kuka robots, Georg presses, Cloos welding systems, Danobat CNC centers, and IEF measuring machines.

Highlights of the Line

- * Extremely High Automation: Over a dozen Kuka KR150-2 2000 robots handle all parts handling.
- * Powerful Welding Section: An automatic system with 5 welding stations, each equipped with a Kuka robot and Cloos (Quinto) GLC603 welding units.
- * Precise CNC Machining: Three Danobat TV-650/SL turning centers with Siemens Sinumerik 840D controls.
- * Integrated Press Technology: Several hydraulic presses from Georg and SMG (up to 10,000 kN), partially refurbished.
- * Complete Quality Assurance: IEF Werner wheel measuring machines and a Konrad Rump double shot blasting machine.
- * Modern Upgrades: Includes a very recent valve protection welding cell from 2023.

Process Flow and Main Components

- * Assembly & Pressing:



- * The line begins with an infeed station and an SMG hydraulic press (1,600 kN), served by a Kuka robot. This press was rebuilt by Georg in 2008.

- * A second, more powerful Georg hydraulic press (10,000 kN) joins the components, served by two Kuka robots.

- * Automatic Welding:

- * The centerpiece is an automatic welding system with 5 identical welding stations.

- * Each station includes a Kuka KR150-2 2000 robot, two Cloos (Quinto) GLC603 welding units (YOM 2009), and a fume extraction system. A brushing device is used for deburring.

- * CNC Turning:

- * Three Danobat TV-650/SL turning centers (YOM 2008) with Siemens Sinumerik 840D Powerline controls and integrated handling systems perform the machining of the wheels.

- * Further Pressing and Finishing Steps:

- * The wheels undergo further pressing operations on a refurbished Georg PHEH315 press (3,150 kN) and another refurbished SMG HZBU160 press (1,600 kN), which are also robot-fed.

- * A Konrad Rump double shot blasting machine (YOM 2009) prepares the surfaces.

- * A valve protection welding system (custom build, YOM 2023) completes the process.

- * Quality Control and Handling:

- * A double and a single IEF Werner wheel measuring machine (YOM 2008/2000) ensure dimensional accuracy.

- * Various roller conveyors and lifting units from Blume (YOM 2008) connect the stations



Technical Data:

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Control: CNC

Buyer Information:

Condition: Very good condition

Available: Immediately

Sold as:

EXW (Ex Works - Incoterm)

VAT: 19 %

Buyers Premium: 18 %

Location: Germany



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Images:





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