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Ref. No.:

1524-06131724

### **Overview and Technical Data:**

## **Used Car Wheel Rim Production Line – Complete, Automated System by Fontijne, Kuka & Georg**

### **NOT DEFINED**



Multiple Makes or Not Defined

Year of Build:

Jan 2002

Rebuild year:

Jul 2023

### **Description:**

## **Used Car Wheel Rim Production Line – Complete, Automated System by Fontijne, Kuka & Georg**

**Complete retrofit in 2023/24**

**16“ diameter / 6.5” wide**

**Throughput time of 8 seconds (7.5 hour shift / 3-shift) approx. 4,500 units**

**For sale is a complete and highly automated production line for the manufacturing of passenger car steel wheel rims. This line, featuring high-quality components from renowned manufacturers such as Fontijne, Kuka, Georg, and Rexroth, covers the entire production process—from material infeed, welding, and roll-forming to testing and finishing. The high degree of automation, facilitated by six Kuka 6-axis robots, ensures an efficient and precise manufacturing workflow.**

This used wheel rim production line is the ideal investment for automotive suppliers and metalworking companies looking to establish or expand their steel wheel manufacturing capabilities. The system includes a comprehensive safety enclosure and is offered complete with control units and other peripheral equipment.

For sale: A used, complete car wheel rim production line. Automated system featuring Fontijne presses, Kuka robots, and a Georg testing press. Ideal for steel wheel manufacturing.

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## Highlights of the RIM Production Line

- **Complete Process:** Covers all essential manufacturing steps for wheel rim production.
- **High Automation:** Six Kuka industrial robots provide reliable material handling between stations.
- **Renowned Manufacturers:** Core components from industry leaders: Fontijne (welding, forming), Georg (testing), and Rexroth (hydraulics).
- **Proven Technology:** A combination of robust, refurbished machines and modern robotics.
- **Immediate Capacity Expansion:** Opportunity to acquire a complete line that was formerly in production.

## Manufacturing Process and Main Components

The production process is logically structured and automated by robots:

1. **Infeed Station & Straightening:** The raw material is placed on the refurbished **Fontijne Infeed Station's** conveyor belt (L: 4.0 m) and fed into the **BTF Straightening Machine** (YOM 1989).
  2. **Automated Welding Cell:** A **Kuka KR150-2 2000** robot loads the **Fontijne Welding Station (Type FRW302, YOM 2002)**, which has a power of 3 x 200 kVA. Afterwards, the weld seam is treated in the **Fontijne Weld Seam Deburring and Rolling Unit (Type GWW-29, YOM 1989)**.
  3. **Shaping & Roll-Forming:** Several **Kuka KR60-3** robots (YOM 2006 & 2011) transport the rim shells through the subsequent forming processes:
    - **Expanding:** On a **Fontijne Expanding Press (Type 40/80H, YOM 1990)**.
    - **Roll-Forming:** In the downstream **Fontijne Roll-Forming Machine**.
  4. **Testing, Finishing & Punching:**
    - The rims are fed to a **Georg Testing and Drawing Press (Type PKE200S, YOM 1971)** with 200 tons of pressing force. The machine was **completely refurbished by Groß & Schilling Hydraulik GmbH**.
    - Two additional **Kuka KR60-3** robots (YOM 2011) service the press and the subsequent **double hydraulic punching device**.
- 

## Detailed Technical Specifications

Component	Manufacturer	Type/Description	Year of Mfg. (YOM)	Technical Data/Notes
<b>Infeed Station</b>	Fontijne	with conveyor belt	-	Refurbished, length approx. 4,000 mm

<b>Straightening Machine</b>	BTF	-	1989	Working width 300 mm
<b>Industrial Robot 1</b>	Kuka	KR150-2 2000	-	6-axis
<b>Welding Station</b>	Fontijne	FRW302	2002	Power 3 x 200 kVA, own weight 11,000 kg
<b>Deburring/Rolling Unit</b>	Fontijne	GWW-29	1989	Own weight 11,500 kg, incl. Rexroth hydraulic unit (570 L)
<b>Industrial Robot 2</b>	Kuka	KR60-3	2006	6-axis, S/N 763902
<b>Industrial Robot 3</b>	Kuka	KR60-3	-	6-axis
<b>Rim Expanding Press</b>	Fontijne	Aufrufpresse 40/80H	1990	Own weight 12,800 kg, S/N 097.81.183
<b>Roll-Forming Machine</b>	Fontijne	-	approx. 1995	-
<b>Industrial Robot 4</b>	Kuka	KR60-3	2011	S/N 766662
<b>Testing &amp; Drawing Press</b>	Georg	PKE200S	1971	<b>Completely refurbished</b> , max. pressing force 200 t
<b>Industrial Robot 5</b>	Kuka	KR60-3	2011	6-axis, S/N 766964
<b>Industrial Robot 6</b>	Kuka	KR60-3	2011	6-axis, S/N 766983
<b>Punching Device</b>	-	Double hydraulic punching device	-	-
<b>Additional Units</b>	-	1x Hydraulic Power Unit 1,100 L, 1x Hydraulic Power Unit 5,000 L	-	-
<b>Peripherals</b>	-	Conveyor belts, safety fencing (approx. 15 linear meters), 2 workbenches, control units	-	-

**For further technical details, documentation, or to schedule an inspection, please do not hesitate to contact us.**

**This wheel rim production line represents an excellent opportunity to acquire a proven and comprehensive manufacturing capacity.**

## **Technical Data:**

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Control:

[CNC](#)

## **Buyer Information:**

Condition:

[Very good condition](#)

Available:

[Sold](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

19 %

Buyers Premium:

18 %

Location:

Germany

**Images:**



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**Video:**



Asset-Trade

Assessment and Sale of Used Assets world wide

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**Video:**



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Assessment and Sale of Used Assets world wide

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