



Process	Producer	Quantity	Specifications		
			Type	Capacities/dimensions	Remarks
Presses	Weingarten	1	Eccentric	500 mm/800 kN/650x900 mm	-
	ZTS	1	Eccentric	600 mm/1600 kN/700x1000 mm	Decoiling, straightening, feeding installations
	Dunkes	1	Hydraulic	400 mm/4000 kN/1600x1000 mm	Tools rack with robot; decoiling, straightening and feeding installations
Punching	Finn-Power	1	Servo electronic	200 kN/1250x2500 mm	Up and Down Forming system Tapping unit
		1	Servo electronic	200 kN/1250x2500 mm	-
		1	Servo electronic	200 kN/1250x2500 mm	Loading and unloading system
		1	Servo electronic	300 kN/1250x2500 mm	Loading and unloading system
	Muratec	2	Servo electronic	245 kN/1250x2500 mm	-
Laser cutting & Punching	Finn-Power	3	Servo electronic	200 kN/2500W/1250x2500 mm	Laser Slab Up and Down Forming system Tapping unit
	Trumpf	3	Servo electronic	180kN/3000W/1500x3000 mm	TruMatic 6000 Laser FIBER Up and Down Forming system Tapping unit
	Prima-Power	3	Servo electronic	200 kN/4000W/3074x1565 mm	Laser FIBER Up and Down Forming system Tapping unit
Laser cutting	Trumpf	3	Servo electronic	Fiber 3000W+6000W/1500x3000mm	TruLaser 3030 Laser fiber TruFlow
	Trumpf	1	Servo electronic	CO2 3500W 120x120x6000mm	Trulaser TUBE 5000
	Prima-Power	2	Servo electronic	Fiber 3000W/1500x3000mm	Linear drive motors with Flying Optics "Ping Pong" Repositioning; max cutting speed 140m/min
	Finn-Power	3	Servo electronic	3500W/1500x3000 mm	Linear drive motors with Flying Optics Max Positioning speed 300m/min. "Ping Pong" Repositioning, 2pcs-FPL6, 1pc-L6
Bending	SAFAN	5	Servo electronic	800 kN/2550 mm	work in 6 axis
		1	Servo electronic	500 kN/2050 mm	work in 2 axis
		1	Servo electronic	500 kN/2050 mm	work in 6 axis
		1	Servo electronic	3000 kN/4100 mm	work in 6 axis
		1	Servo electronic	1500 kN/3100 mm	work in 6 axis
		7	Servo electronic	1000 kN/3100 mm	work in 6 axis
		3	Servo electronic	2000 kN/4100 mm	work in 6 axis
		1	Servo electronic	4000 kN/5100 mm	work in 6 axis with moving bottom table
	LVD	3	Hydraulic	1350 kN/3050 mm	Tool Cell 135/30 with laser angle measurement with automatic tool setup
	Prima-Power	1	Servo electronic	410 kN/2650 mm	work in 26 axis
Mengele	1	Hydraulic	2000 kN/4000 mm	work in 4 axis	

Rolling	OMCCA	1	CNC Servo electronic	Max. width 1250 mm	Min. Radius 60 mm
Inserting	Haeger	4	Hydraulic	60 kN	-
		1	Hydraulic	71 kN	1 Modular Autofeed System
		4	Hydraulic	71 kN	4 Modular Autofeed and Tool Systems Insertion graphics, Quality system
Riveting	Baltec	1	Radial	-	-
	Bracker	1	Radial	-	-
Turning	DMG Mori	2	CNC	Ø50/250	12-position tool storage, fitted with mechanically driven tools and automatic bar feeder
	DMG Mori	1	CNC	Ø80/300	12-position tool storage, fitted with mechanically driven tools and automatic bar feeder, extra axis Y +/- 60mm, part capture, extra pressure 20BAR
Milling	DMG Mori	2	CNC	X/Y/Z 635/510/460	20-position tool magazine
	DMG Mori	1	CNC	X/Y/Z 1035/560/510	20-position tool magazine, additional fourth axle
	DMG Mori	1	CNC	X/Y/Z 1150/700/550	60-position tool magazine
	AVIA	1	conventional	X/Y/Z 1000/500/500	horizontally spindle
Spotwelding	Schlatter	1	-	80 kVA	-
		1	-	85 kVA	-
		1	-	130 kVA	-
	ASPA	1	-	980 kVA	-
	SOYER	8	Gun-pistol	-	-
		1	CNC machine with positioning	-	-
	AWL	2	-	130 kVA	Medium frequency 1000 Hz
		2	-	130 kVA	Medium frequency 1000 Hz
Welding	Fronius	125	Welding Machines	MIG, MAG, TIG	-
	Cloos Robot	1	6 Axes	MIG, MAG, TIG	Cold welding Technology Positioner - 5000N
	COBOT UR Fronius	20	Cobot welding	TIG, MAG MIG	hand programming cobots
	Trumpf Laser Robot	1	TruLaser Robot TruDisk 3302 6 Axes	Laser	Linear axis robot travel 3960mm
Grinding & Deburring	Timesavers	2	Wide belt grinding machine	1350 mm	Abrasive belt and brush; Grinding of low overpress and low bending product
		1	Wide belt grinding machine	1350mm	Abrasive belt and brush turnover in two axes
	Kuhlmeyer	3	Belt grinding	-	-
	Gerima	1	Rotary head	thickness: ALUMINIUM max 20mm, INOX max 10mm	
	Rösler	2	Rotary vibrating	-	Rotary vibrating dryer
Cleaning	SciTeex	4	Manual sand blasting machine	3000x1500x1500	1000 kg - max product weight
	SciTeex	4	Robotized sand blasting machine	3000x1500x1500	1500 kg - max product weight
	Rösler	1	Degreasing and cleaning machine	775x1175 mm	Maximum loading 750 kg
Surface treatment	TIC	1	Pad printing machine	2x100x160 mm	Two-colour
	Indufinish	1	Wet paint shop	-	5 -zone surface preparation (Nano-ceramic pre-treatment), full parameter control; 2 wet painting booths with full temperature and humidity control; Wagner application equipment
	Wagner	1	Paint shop	"Power and free" transport system (Railtechnik) with 160pcs of 3000mm traverses	5 -zone surface preparation (Nano-ceramic pre-treatment), full parameter control; Powder cabin equipped with 15 automatic guns placed on 3 manipulators (6 + 6 + 3); paint kitchen with automatic cleaning function

Measuring & Control	Deutsche Mechatronics	2	2D vision quality control system	1250x2000 mm	-
	Wenzel	1	3D measuring machine RS 1012	1200x1000x2000 mm	-
		1	3D measuring machine RS 1010	1000x1000x2000 mm	-
		1	3D measuring machine RSplus 1615/CNC	4000x1600x1500mm	equipped with measuring head Renishaw PH20 with module changing rack TCR20
Assembly	TP-IPA	5	Workstation small	max. 300x400x550xmm max.15kg	Instructions on LCD-Displays; electrical driven vertical buffer with shelves; rotation table
		4	Workstation big	max. 2600x1200x800mm max. 150 kg	Instructions on LCD-Displays
		2	Packaging station	-	Instructions on LCD-Displays
		1	Packaging machine	2000x600x800 mm	Instructions on LCD-Displays Semi-automatic
	Trumpf	1	Laser workstation	290 mm x 290 mm, focal length 420 mm	Rotary table – 600 mm Maximal work piece weight – 50 kg

Date: 27.06.2023