

# MACHINE LIST

Description	max. sheet sizes L x W x (H) [mm]	max. wall thickness [mm]	max. tons	Quantity
<b>Fully automated CNC production incl. STOPA-storage</b>				
Fully automated STOPA-storage with 660 yards	1500 x 3000	4,00		1
<i>The following machines are automatically filled from the STOPA-storage:</i>				
TruBend 5130 bending center robot controlled	1500 x 3000	4,00		1
Weinbrenner bending center	1500 x 1500	3,00		1
Punch-laser-machine Trumpf TruMatic 6000	1500 x 3000 / 2500 x 1250	6,00		1
Punch-nibbling-machine Amada Vipros	1250 x 2000	3,00		1
Fiberlaser LVD Electra FL 3kW	1500 x 3000	4,00		1
Press brake LVD ToolCell 220/40	1500 x 4000	4,00		1
<b>CNC production</b>				
Cutting-stretching machine for coils	998	1,50		1
Press brakes	L=4000	6,00	50 bis 100	9
Plate sheares	L=2500	4,00		2
Louvre bending machine		4,00		1
Notching machine DMF		4,00		1
<b>CNC tube processing</b>				
Fully automated tube rolling mill, laserwelding machine	Æ 80 - Æ 450 / L=1250	0,40 - 1,50		2
Tube cutting machine	L=3000	0,45 - 1,00		3
Tube bending machine	Æ 80- Æ 450 15°,30°,45°,60°,90°	0,75 - 1,00		1
Tube transforming tool		0,45 - 1,00		2
Tube transforming tool Tubex 10		0,45 - 1,00		1
Tube spreading tool		0,45 - 1,00		2
Tube spreading tool W6		0,45 - 1,00		1
Tube grinding tool		0,45 - 1,00		1
Annulus calibration tool		0,45 - 1,00		1
Annulus tool		0,45 - 1,00		1
Elbow cutting tool				1
Elbow grinding tool				1

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<b>Coating</b>				
Fully automated surface preparation	1500 x 3000			1
Fully automated powder coating installation	1500 x 3000			1
Automated powder coating installation for small batches	1500 x 3000			1
<b>Welding techniques</b>				
Trumpf TruLaser 7020 - 3D-Welding cell	1500 x 1000 x (500)	0,20 - 4,00		1
Robot MIG-Welding with manipulator	750 x 1000 x (1500)	0,40 - 4,00		1
Robot TIG-Welding	750 x 750 x (750)	0,40 - 2,00		2
Projection welding machine		1,00 - 2,00		1
Pulse-MIG-welding unit		1,00 - 4,00		1
Spot welding machine		0,40 - 1,50		3
TIG-welding unit		0,40 - 2,00		6
Orbital welding machine		0,40 - 2,00		1
<b>Punching and pressing</b>				
Excenter presses			40 bis 150	11
Holes presses				6
Hydraulic deep drawing presses			63 bis 500	13
<b>Connecting techniques</b>				
Screw bolt pressing machine		4,00		1
Threat cutter		4,00		1
Blind rivet unit press		4,00		1
Clamping nut press		4,00		1
Press unit		4,00		1
Blind rivet automatic unit		4,00		1
Matched joint press		4,00		1
Stud welding machine		4,00		1
TOX-unit		4,00		5