

Equipment List of ISMM Group



	TECHNOLOGY	DESCRIPTION	NUMBER
ISMM Production Plant Jistebník 01	<i>Laser Cutting Machine TRUMPF L3030, 3 kW</i>	Max. sheet thickness: carbon steel - 20 mm, stainless steel - 12 mm	1
		Max. sheet dimensions: 3000 x 1500 mm	
		Accuracy: ± 0,1 mm	
	<i>CNC Plasma/Autogen Cutting Machine OMNICUT G4000</i>	Max. sheet thickness: 30 mm / 200 mm	1
		Max. sheet dimensions: 6000 x 1500 mm	1
		Overhead crane up to 3200 kg	
	<i>CNC Fiber Laser Cutting Machine NUKON REX 315, 6 kW</i>	Max. sheet thickness: carbon steel - 25 mm, stainless steel - 18 mm	1
		Max. sheet dimensions: 3000 x 1500 mm	
		Accuracy: ± 0,1 mm	
	<i>CNC Press Brake ERMAKSAN</i>	Bending force: 40 kN	1
		Bending length: 1000 mm	
	<i>CNC Press Brake ERMAKSAN</i>	Bending force: 60 kN	1
		Bending length: 2000 mm	
	<i>CNC Press Brake DURMA AD-R 30220</i>	Bending force: 220 kN	1
Bending length: 3000 mm			
<i>CNC Press Brake BAYKAL APHS 41320</i>	Bending force: 320 kN	1	
	Bending length: 4100 mm		
<i>CNC Press Brake BAYKAL APHS 41300</i>	Bending force: 300 kN	1	
	Bending length: 4100 mm		
<i>Hydraulic Press BERNARDO HWP 100-1500</i>	Pressure force: 100 t	1	
<i>Drilling Machine</i>	OPTIMUM B 50 GSM	1	
<i>Tapping Machine VOLUMEK JT2150</i>	Tapping capacity M3 - M16 ISO	1	
<i>Double Sided Beveling Machine</i>	TRIUMPH UZ50	1	

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TECHNOLOGY	DESCRIPTION	NUMBER
CNC Horizontal Boring Mill TOS WHN 13A	Cross travel (X): 1900 mm	1
	Vertical travel (Y): 1500 mm	
	Longitudinal travel (Z): 1250 mm	
	Max. workpiece weight: 3000 kg	
	Diameter of spindle: min. 130 mm	
	Gantry crane up to 3200 kg	1
CNC Horizontal Boring Mill TOS WHN 13,8	Cross travel (X): 3500 mm	1
	Vertical travel (Y): 2000 mm	
	Longitudinal travel (Z): 1250 mm	
	Max. workpiece weight: 12 000 kg	
	Diameter of spindle: min. 130 mm	
	Gantry crane up to 3200 kg	1
NC Horizontal Boring Mill TOS WHN 9B with DRO	Travel axis: 1250 (X) / 1000 (Z) mm	1
	Max. workpiece weight: 3000 kg	
	Diameter of spindle: 90 mm	
	Table dimensions: 1000 x 1120 mm	
Hydraulic Press BERNARDO HWP 160	Pressure force: 160 t	1
MIG/MAG Welding Machines	ESAB Mig C420W PRO	2
	FRONIUS TransSteel 3500 C 4R	2
	FRONIUS TransSteel 5000	2
	FRONIUS TransSteel 5000 Pulse	11
	FRONIUS TransPuls Synergic 4000	3
	FRONIUS VarioSynergic 4000	2
	FRONIUS VarioSynergic 5000	2
	FRONIUS iWave 230i	3
	FRONIUS TPS 400i	6
Semi-Automatic Welding Machine (Tractor)	FRONIUS VarioSynergic 4000	1
TIG/WIG Welding Machines	EWM/HIGHTEC WELDING Triton 220 AC/DC PowerSinus TGD	1
	FRONIUS TransTig 1750 PULS	1
Welding Boxes	Welding boxes with central exhausting equipment	14
Drilling Machines	OPTIMUM B 30 VARIO	1
	OPTIMUM B 50 GSM	3
Band Saw Machines	PILOUS ARG 240	1
	PILOUS ARG 380 PLUS S.A.F	1
Turning Machine	OPTIMUM D 320x920	1
Milling Machines	OPTIMUM MT 200	2
Shot Blasting Chamber SPOLMONT	Max. dimensions: 7000 x 4000 x 3000 mm	1
	Max. weight: 2000 kg	
Tapping Machine VOLUMEK VTS 100	Tapping capacity M5 - M20 ISO	1
Induction Heating Machine DHI-120F HD	Designed for heating ferromagnetic and conductive materials in the welding industry	1
Rotating Jib Arm	Max. load 2.5 t	1
Quality Inspection	Outside of the production area, independent quality control	1

ISMM Production Plant Jistebník 02

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TECHNOLOGY	DESCRIPTION	NUMBER
Powder Painting Facility	Powder coating chamber:	1
	Max. dimensions: 7000 x 2500 x 2500 mm	
	Max. weight: 2000 kg	
	Shot blasting chamber (manual): abrasive - GL 40, purity - Sa 2,5	
	Curing oven: temperature from 180 °C to 220 °C	1
	Continuous powder coating line:	
	Max. dimensions: 3500 x 1500 x 1000 mm	
	Max. weight: 100 kg	
	Shot blasting (automatic): abrasive - S 230, purity - Sa 2,5	
	Curing oven: temperature from 180 °C to 220 °C	1
	Application of primer and top coat in one process, without chemical pre-treatment, on customer's request, the possibility of chemical pre-treatment for two-layer painting. Nanotechnology used in one-layer painting.	
	Wagner spray booth:	
Max. dimensions: 1300 x 1700 x 1000 mm	1	
Application with tribo or corona gun		
Curing oven: temperature from 180 °C to 220 °C		
CNC Fiber Laser NESSAP GAMA FL 3015, 4 kW	Max. sheet thickness: carbon steel - 20 mm, stainless steel - 12 mm	1
	Max. sheet dimensions: 3000 x 1500 mm	
	Accuracy: ± 0,1 mm	
CNC Fiber Laser Cutting Machine NUKON REX 315, 4 kW	Max. sheet thickness: carbon steel - 20 mm, stainless steel - 12 mm	1
	Max. sheet dimensions: 3000 x 1500 mm	
	Accuracy: ± 0,1 mm	
ERMAKSAN Speed Hydraulic Press Brake	Bending force: 60 kN	1
	Bending length: 2100 mm	
ERMAKSAN Speed Hydraulic Press Brake	Bending force: 135 kN	1
	Bending length: 2850 mm	
Welding Robot KUKA KR16 L8	Max. weight of the weldment: 1500 kg	1
	Max. size of the weldment: 4500 x 2000 x 3000 mm	
	Repeatability: +/- 0,05 mm	
	Max. reach: 2015 mm	
Welding Robot PANASONIC TL-1800WG3	Max. weight of the weldment: 1000 kg	1
	Repeatability: +/- 0,05 mm	
	Max. reach: 1801 mm	
MIG/MAG Welding Machines	FRONIUS VarioSynergic 4000	17
	FRONIUS VarioStar 3100	1
Pulsomatic Welding Machine	FRONIUS TransPuls Synergic 5000	4
Welding Boxes	Welding boxes with central exhausting equipment	23
Assembly Line	Mass volume assembling with complete pneumatic equipment	1 line
Drilling Machine	OPTIMUM B 50 GSM	1
Band Saw Machine	PILOUS ARG 300	1
	PEGAS 280	1
Edge Rounding Machine LISSMAC PLUTO	Max. sheet thickness: 25 mm	1
Hydraulic Press BERNARDO HWP 160	Pressure force: 160 t	1
Double Sided Beveling Machine	TRIUMPH UZ50	1
3D Measurement Tool	HEXAGON-Absolute Arm 8535	1
Tapping Machine VOLUMEK JT2150	Tapping capacity M3 - M16 ISO	1
Induction Heating Machine DHI-120F HD	Designed for heating ferromagnetic and conductive materials in the welding industry	1
Extraction table for grinding DENIOS	Working area: 2000 x 900 mm	1
Quality Inspection	Outside of the production area, independent quality control	1

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ISMM Production Plant Bravantice	<i>MIG/MAG Welding Machines</i>	FRONIUS VarioSynergic 4000	6
		FRONIUS VarioStar 3100	2
	<i>TIG/WIG Welding Aggregate</i>	TRAFILUX TIG 320 Pro AC/DC Puls	1
	<i>Pulse Welding Machines</i>	FRONIUS TransPuls Synergic 5000	3
	<i>Welding Boxes</i>	Rotating jib crane up to 500 kg	1
		Welding boxes with central exhausting equipment	8
	<i>Drilling Machine</i>	OPTIMUM B 40 GSM	1
	<i>Hydraulic Press BERNARDO HWP 100-1500</i>	Pressure force: 100 t	1
	<i>Magnetic Drilling Machine</i>	FEIN KBM50U	1
	<i>Band Saw Machine</i>	PILOUS ARG 220+	1
	<i>Shot Blasting Chamber SPOLMONT</i>	Bridge crane up to 1000 kg	1
		Max. dimensions: 7000 x 4000 x 3000 mm	
		Max. weight: 2000 kg	
	<i>Induction Heating Machine DHI-120F HD</i>	Designed for heating ferromagnetic and conductive materials in the welding industry	1
<i>Quality Inspection</i>	Outside of the production area, independent quality control	1	

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TECHNOLOGIE	DESCRIPTION	NUMBER
<i>Powder Painting Facility</i>	Powder coating chamber:	1
	Max. dimensions: 7000 x 2000 x 3000 m	
	Max. weight: 2000 kg	
	Shot blasting chamber (manual): abrasive - GL 40, purity - Sa 2,5	
	Curing oven: temperature from 180 °C to 220 °C	1
	Continuous powder coating line:	
	Max. dimensions 2000 x 1500 x 1000 mm	
	Max. weight: 120 kg	
Shot blasting chamber (automatic): abrasive - S 230, purity - Sa 2,5	1	
Curing oven: temperatures from 180 °C to 220 °C		
<i>Laser Cutting Machine TRUMPF TruFlow 3060</i>	Max. sheet thickness: carbon steel - 20 mm	1
	Max. sheet dimensions: 6000 x 2000 mm	
<i>Laser Cutting Machine SENFENG SF3015H4, 12 kW</i>	Max. sheet thickness: carbon steel - 35 mm	1
	Max. sheet dimensions: 3000 x 1500 mm	
<i>3D Laser Cutting Machine SENFENG SF6024NT, 3 kW</i>	Max. clamping dimension of hollow profile: 240 x 240 mm	1
	Max. length of hollow section: 6000 mm	
<i>CNC Press Brake EHP 50 DARLEY</i>	Bending force: 40 kN	1
	Bending length: 1000 mm	
<i>CNC Press Brake PR8 BEYLER 220</i>	Bending force: 100 kN	1
	Bending length: 3000 mm	
<i>CNC Press Brake DURMA 200</i>	Bending force: 100 kN	1
	Bending length: 3000 mm	
<i>Hydraulic Rolling Machine 4RH 6/4</i>	Material thickness: 13 mm	1
<i>Horizontal Band Saw PEGAS</i>	Max. cut part dimensions: 440 x 600 mm	1
<i>Band Saw ARG CF-NC</i>	Max. cut part dimensions: 100 x 100 mm	1
<i>Hydraulic Shears AMADA GXII</i>	Max. dimensions: 2000 x 1500 x 10 mm	1
<i>Column Drill WR4</i>	Max. ø: 50 mm	1
<i>Column Drill BSA, BSB</i>	Max. ø: 30 mm	1
<i>Edge Rounder LISSMAC PLUTO</i>	Max. dimensions: 1500 x ∞ x 30 mm	1
<i>Welding Boxes</i>	Dimensions: 5000 x 3000 mm	40
<i>MIG/MAG Welding Machines</i>	ESAB Mig C419	40
	ESAB Aristo 500ix	2
	FRONIUS VR 4000	6
<i>CNC Vertical Machining Centre TAJMAC ZPS MCV1260i</i>	X / Y / Z - 1300 / 640 / 800 mm	1
	Max. table dimensions: 1500 x 620 mm	
	Max. table load: 1350 kg	
<i>CNC High-Productivity Lathe SAB 45-90/1250</i>	Automatic feeder	1
	Max. turning diameter: 580 mm	
	Max. length: 1250 mm	
	Max. weight: 1000 kg	
<i>Assembly Line</i>	Large capacity assembly line with pneumatic equipment	1
<i>Eccentric Press LENA 25C</i>	Pressing force: 50 t	1
<i>Hydraulic Press CDC 2.5</i>	Pressing force: 100 t	1
<i>Hydraulic Press PYE 250</i>	Pressing force: 250 t	1
<i>Hydraulic Press CBJ 160</i>	Pressing force: 160 t	1
<i>Induction Heating Machine DHI-120F HD</i>	Designed for heating ferromagnetic and conductive materials in the welding industry	1
<i>Quality Inspection</i>	Outside of the production area, independent quality control	1

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	TECHNOLOGY	DESCRIPTION	NUMBER
ISMM & EGAS Pustějov	CNC Vertical Machining Centre MAS MCV 1270 POWER	X / Y / Z - 1270 / 610 / 720 mm	1
		Max. table dimensions: 1 500 x 670 mm	
		Max. table load: 1 200 kg	
		Spindle speed range: 8000 - 24 000 min ⁻¹	
	MIG/MAG Welding Machines	FRONIUS VarioSynergic 4000	6
	Double Disc Grinder	POWERPLUS	2
	Belt Sander	GEKON mini	1
	Sheet Metal Beveling Machine KE 150	METALLKRAFT	1
	Pedestal Drilling Machine	GÜDE	1
	Hydraulic Press OMCN	Pressure force: 20 t	1
	Band Saw Machine	BOMAR STG 2306	1
	NC Milling Machine TOS FA 5U with DRO	X / Y / Z - 1600 / 350 / 350 mm	1
	NC Milling Machine TOS FB 5U with DRO	X / Y / Z - 1200 / 350 / 350 mm	1
	Tap Volumec JT 2150	Threads M3 - M16 ISO	1
	NC Horizontal Boring Mill TOS H 63 A with DRO	X / Y / Z - 850 / 800 / 650	1
	NC Centre Lathe TOS SUI 50 with DRO	Turning length: 1700 mm	1
		Max. turning diameter: 250 mm	
	Radial Boring and Drilling Machine MAS VR 4	Spindle taper: Morse 4	1
		Spindle stroke: 310 mm	
		Max. drilling capacity: 50 mm	
X-axis travel: 945 mm			
Y-axis travel: 710 mm			
Hand Lever Table Shear N1060/2,5	Max. sheet thickness: 1,5 mm	1	
Induction Heating Machine DHI-120F HD	Designed for heating ferromagnetic and conductive materials in the welding industry	1	

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TECHNOLOGY	DESCRIPTION	NUMBER
ISMM & JB Machinery Divčů Hrad	<i>CNC Horizontal Boring Machine FERMAT WF 13 R</i>	1
		Cross travel (X): 12 000 mm
		Vertical travel (Y): 3000 mm
		Max. workpiece weight: 10 000 kg
		Diameter of spindle: min. 130 mm
		Turntable
	<i>CNC Horizontal Boring Machine FERMAT TK 6511 B</i>	1
		Cross travel (X): 2500 mm
		Vertical travel (Y): 1500 mm
		Max. workpiece weight: 10 000 kg
		Diameter of spindle: min. 110 mm
	<i>CNC Horizontal Boring Machine FERMAT WFT 11</i>	1
		Cross travel (X): 2000 mm
		Vertical travel (Y): 1700 mm
		Max. workpiece weight: 10 000 kg
		Diameter of spindle: min. 110 mm
	<i>CNC Horizontal Boring Machine FERMAT TK 6513</i>	1
		Cross travel (X): 4000 mm
	Vertical travel (Y): 2000 mm	
	Max. workpiece weight: 10 000 kg	
	Diameter of spindle: min. 130 mm	
<i>Horizontal Boring Machine</i>	2	
	Table dimensions: 1100 x 1100 mm	
	Diameter of spindle: 90 mm	
	Machining height: 980 mm	
<i>Milling Machine TOS FA 4</i>	2	
	Table dimensions: 1000 x 300 mm	
	Automatic feeder	
<i>CNC Lathe LYNX 2600</i>	1	
	Max. turning diameter: 380 mm	
	Max. workpiece length: 610 mm	
<i>Lathes</i>	1	
	TOS SUI 80, TOS SUI 63	
	1	
	Turret lathe ZPS SR 50	
<i>CNC Laser Cutting Machine XTC-F1530GT, 4 kW</i>	1	
	Max. sheet thickness: carbon steel - 30 mm	
	Max. sheet dimensions: 3000 x 1500 mm	
	1	
	Max. bar length: 6000 mm	
<i>CNC Laser Cutting Machine SENFENG SF3015H, 6 kW</i>	1	
	Max. sheet thickness: carbon steel - 25 mm	
	1	
	Max. sheet dimensions: 3000 x 1500 mm	
<i>CNC Press Brake ERMAKSAN</i>	1	
	Bending force: 320 kN	
	1	
	Bending length: 4000 mm	
<i>CNC Press Brake ERMAKSAN</i>	1	
	Bending force: 40 kN	
	1	
	Bending length: 1000 mm	
<i>Rolling machine</i>	1	
<i>Welding Workplace</i>	20	
<i>Welding boxes</i>		
<i>Radial Drilling Machines</i>	3	
<i>MAS VR4</i>		
<i>Band Saws</i>	2	
<i>PEGAS</i>		
<i>Continuous shot blasting machine</i>	1	
<i>FP 4-15</i>		