



TOOLING & PRODUCTION

### Machine / equipment overview

#### Certifications

ISO - 9001  
TISAX (Data security)  
Ecovadis (Supplier sustainability)

#### Data transfer methods

HyperKVS - (VAG)  
Kupron Secure FTP Server  
Tresorit Secure data transfer

#### CNC Machinery at Kupron

Quantity	CNC Machine	Number of Axis	Dimensions (mm)	CNC Control software	RPM
1	Kepler HDC 4000	6	4000x2000x1800	Heidenhain iTnc530	16000
1	Kepler HDC 3000	6	3000x1500x1400	Heidenhain iTnc530	16000
1	Matec 50HV	5	4000x1225x1200	Heidenhain iTnc640	15000
1	Matec 30HV	5	4000x1000x1175	Heidenhain iTnc530	18000
1	Matec 30HV	5	2000x800x1020	Heidenhain iTnc530	18000
2	Edel Multimill 1600	5	1600x1260x1190	Heidenhain iTnc530	18000
3	Edel Multimill 1000	5	1000x800x800	Heidenhain iTnc530	18000
1	Edel Centermill 400	5	800x600x580	Heidenhain iTnc640	24000
1	DMG Mori CTX 450 - Lathe	3	350x350	Siemens	3000
1	Okuma LR10 - Lathe	3	300x350	Okuma	3000



#### CNC Machinery at affiliate company Metaco Tooling

Quantity	CNC Machine	Number of Axis	Dimensions (mm)	CNC Control software	RPM
1	Haas	3	1600x800x850	Haas	12000
1	Mikron 1600	3	1600x800x860	Mikron	7500
1	Mikron 2000	3	2000x1000x870	Mikron	10000
1	DMF	5	3600x900x820	Heidenhain iTnc	16000
1	DMU	5	800x600x520	Heidenhain iTnc	16000
1	Matec 30P	5	3500x1800x900	Sinumerik 840D	15000

#### Conventional Lathes & drilling machinery

Quantity	Machine	Number of Axis	Dimensions (mm)
1	TOS SN 400 S Lathe	2	∅400x1000
1	TOS SN 32 Lathe	2	∅320x750
1	TOS FNK 25 A Mill	3	780x280x350
1	Sharmann deephole drill		
1	Pegard deephole drill		

#### Injection moulding equipment

Quantity	Machine	Clampforce (ton)	Shotvolume (cm3)	Special equipment
1	Stork 2000	2000	7150	Maguire Weight scale blender + Hopper feeder
1	Stork 1200	1200	5350	
1	Stork 550 2K	550	3395 / 226	
1	Stork 550	550	2500	
1	Engel Duo 1700	1700	6107	With Trexel Mucell unit
1	Engel Victory 120	120	318	With linear robot
5	Material Dryers			

#### Measurement equipment

Quantity	Machine
1	Nikon 3D Laserscanner incl. Geomagic software

#### Miscellaneous Equipment

Quantity	Machine	
1	2D Laser cutter	Used for packaging and tapes
1	Welding equipment	Miscellaneous
1	Reis-TUS 125 Spotting press	1200x1500mm
1	Handling equipment	Multiple cranes up to 20 tons. Forklifts up to 6 tons.

#### CAD / CAM Software

Quantity	Software
10	Visi CAD with converter for Catia, UG etc.
13	Worknc CAM
1	CAD Mould Simulation
1	RCOM VDA RFID