



LIST OF EQUIPMENTS

Data atualização: 11/10/2023

Name	Code	Brand	Model	Serie Number	Manufacture year	Axis	Table dimensions	Max weight on table	Control	Spindle Speed	Resolution
Machining Center Five Axis	EP-CNC-12	Mikron	HPM 600U	107.54.00.020	2013	x-650mm;y-650mm;z-550mm	630mm x 500mm	500 Kg	Heidenhain Itnc530	20.000 rpm	
	EP-CNC-15	Microcut	MCG-5X	152821082	2015	x-670mm;y-820mm;z-600mm	800mm round	1.200 Kg	Heidenhain Itnc530	18.000 rpm	
Machining Center	EP-CNC-05	MORI SEIKI	Duracenter 5	DC005EGO0248	2005	x-800mm;y-500mm;z-500mm	1100 x 600mm	1000 Kg	FANUC MSX 501	12.000 rpm	
	EP-CNC-06	MIKRON	HSM 400	377	2005	x-400mm; y-400mm; z-150mm	300 x 300mm	200 Kg	HEIDENHAIN ITNC 530-1	30.000 rpm	
	EP-CNC-08	QuickJet	AV-128 H	07196	2008	X-1200mm;Y-800mm;Z-700mm	1300x850	1500 Kg	Siemens/Sinumerik 840D	24.000 rpm	
	EP-CNC-10	Quick Jet	AV-1612	11-10107	2011	x-1600mm;y-1200mm;z-700mm	1800mmx1300mm	4.000 Kg	Siemens 840 D	14.000 rpm	
	EP-CNC-11	MIKRON	HSM 400 LP	107.64.00.036	2012	x-500mm; y-450mm; z-360mm	Erowa UCP 320x320	120 Kg	Heidenhain Itnc530 Controller	30.000 rpm	
	EP-CNC-13	DOOSAN	NX5500 II	MV0036-00062	2013	x-900mm;y-550mm;z-500mm	1000mmx550mm	700 Kg	Fanunc 3li	20.000 rpm	
Machining Center and Deep Drilling	EP-CNC-14	SAMAG	TB22-1.000	68039	2013	x-1200mm;y-1050mm;z-110mm; w-1600mm	1100mmx110mm	7.000 Kg	Heidenhain Itnc 530	6.000 rpm	
EDM Wire	EP-E-05	MAKINO EU 64	RKS750CMCCE	MAW6037LM8041640046	2002	x-600mm; y-400mm; z-260mm	920 x 600 mm	1500 Kg			
	EP-E-13	SODICH	AG600LH-CE	0968	2012	x-600mm; y-400mm; z-500mm	830x590x500mm	1000 Kg	Sodich LP2WH		
	EP-E-14	AgieCharmilles	CUT 2000	591.030.306.0157	2012	x-350mm; y-250mm; z-256mm	700mmx450mm	450 Kg			
EDM Drilling	EP-E-07	CHMER	CM-H32Z	M209650	2002	x-350mm; y-250mm; z-340mm	300 x 600 mm	200 Kg			
	EP-E-10	AgieCharmilles	DRILL 20	397900157/0116	2010	x-300mm;y-200mm;z-300mm	400x300mm	300 Kg			
EDM Penetration	EP-E-01	CDM ROVELLA	Eldis 3.40	1592E3408686	1993	X-400mm; y-300mm; z-180mm	650 x 400 mm	500 Kg			
	EP-E-04	AGIE Mondo Star 50	Mondo Star 50	001083	1994	x-500mm; y-350mm; z-350mm	750 x 550 mm	500 Kg			
	EP-E-08	AGIE Hyperspark 3	Hyperspark 3	241	2005	x-500mm; y-500mm; z-350mm	600 x 800 mm	900 Kg			
	EP-E-09	AGIE Hyperspark HS	Hyperspark HS	329	2007	x-500mm; y-500mm; z-350mm	600 x 800 mm	900 Kg			
	EP-E-11	AgieCharmilles	Form 2000 HP	592.032.051.0167	2012	x-400mm; y-300mm; z-350 mm	600 x 400 mm				
EP-E-12	AgieCharmilles	Form 3000 HP	592.033.051.0150	2012	x-600mm; y-400mm; z-500 mm	850 x 600 mm					
Conventional Milling Machine	EP-FC-04	Phoebus Machinery NC	PBM - 4VS	12123	2010	x- 135mm;y-250mm; z-600mm	250 x 1350	500 Kg			
Fitting Press	EP-P-01	MILUTENSIL	MIL 123	973123023	1998	x-1000mm; y-1260mm; z-1000mm	1200 x 1000 mm	6000 Kg			
Profile Grinding Machine	EP-RP-02	FREEPORT	SGS816	621012	1995	x-750 mm; y-450mm; z-400 mm	250 x 400 mm	30 Kg			
	EP-RP-04	JONH & SHIPMAN	540H	21243	2002	x-402mm; y-180mm; z-450mm	150 x 450 mm	32 Kg			
	EP-RP-07	OKAMOTO	L350B	N°62427	2012	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm				
	EP-RP-08	OKAMOTO	L350B	N°62428	2012	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm				
	EP-RP-09	OKAMOTO	L350B	N°62662	2017	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm				
	EP-RP-10	OKAMOTO	L350B	N°62663	2017	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm				
Plan Grinding Machine	EP-RP-01	GR	RCA750	80139	1993	x-750mm; y-450mm; z-400 mm	750 x 400 mm	250 Kg			
	EP-RP-06	PERFECT	PF70150AHR	0585007	2005	x-1500mm; y-800mm; z-350mm	1500 x 800 mm	445 Kg			
Vision System	EP-SV-01				2019						
Silicon Dosing system	EP-MIS-01	ELMET	TOP5000 P	00054952-0354	2020						
Lathe Machine	EP-T-01	DASHIN PRICE	1340	8133	1994	x-495mm; y-150mm; z-165mm	1900 x 750 mm	100 Kg			
Measuring Equipments	MM.01	Brown & Sharpe	Global Status 574	0802-1174	2002	x-500mm; y-700mm; z-400mm		230 Kg	Software: PCDMIS		0,0010mm
	MM.02	OPTIV	Performance 442	1301x0001 GC	2015	x-410mm; y-410mm; z-200mm		30 Kg	Software: PCDMIS		0,1µm
	MM.03	DEA	Global 070705	GL 0A0009171A	2013	x-700mm; y-700mm; z-500mm		300 Kg	Software: PCDMIS		0,0010mm
	MM.04	ABERLINK	AXIOM 1200	15087	2018	x-660mm; y-1200mm; z-500mm		500 Kg	Software: RENISHAW MODUS		0,0010mm



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Injection Machines	EP-MI-01	Engel	E-motion 310/80 TL	209163	2016						
	EP-MI-02	Engel	Victory 500/120 tech	208637	2016						
	EP-MI-03	Engel	Victory 1050/220 TL	208638	2016						
	EP-MI-04	Engel	Victory 2550H/330V/400 combi	208639	2016						
	EP-MI-05	Engel	Duo 5160H/860W/900 combi Bi Material	240261	2020						
	EP-MI-06	Engel	victory 1160H/330W/300 combi (Bi Material)	240262	2020						
	EP-MI-07	Engel	E-motion 310/80 TL	241080	2020						
	EP-MI-08	Engel	E-motion 310/80 TL	240260	2020						
Heat and Cool System	EP-VAR-01	HB-THERM	Treat-5 HB-TR2	1812-291	2018						
	EP-VAR-02	HB-THERM	HB-180Z3	1812-288	2018						
	EP-VAR-03	HB-THERM	Vario-5 HB VS180	1812-292	2018						
	EP-VAR-04	HB-THERM	Thermo-5 HB-180Z3	1812-289	2018						