

LIST OF EQUIPMENTS



Name	Code	Brand	Model	Serie Number	Manufature 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	Julho_2015	x-670mm;y-820mm;z-600mm	800mm redonda	1.200kg	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	QUICKJET	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	Comando Heidenhain Itnc530	30.000 rpm	
	EP-CNC-13	DOOSAN	NX5500 II	MV0036-00062	2013	x-900mm;y-550mm;z-500mm	1000mmx550mm	700 Kg	Fanunc 31i	20.000 rpm	
Machining Center and Deep Drilling											
	EP-CNC-14	SAMAG	TBZ2-1.000	68039	2013	x-1200mm;y-1050mm;z-110mm;w-1600mm	1100mmx110mm	7000 Kg	Heidenhain Itnc 530	6.000 rpm	
EDM Wire											
	EP-E-13	SODICH	AG600LH-CE	0968	2012	x-600mm; y-400mm; z-500mm	830x590x500mm	1000Kg	Sodich LP2WH	-----	
	EP-E-14	AGIECHARMILLES	CUT 2000	591.030.306.0157	2012	x-350mm; y-250mm; z-256mm	700mmx450mm	450Kg			
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	300Kg			
EDM Penetration											
	EP-E-01	CDM ROVELLA	Eldis 3.40	1592E3408686	1993	X-400mm; y-300mm; z-180mm	650 x 400 mm	500 kg			

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	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-03	TEXTRON	Bridgeport	y244317		x-700mm; y-300mm; z-450mm	250 x 1100 mm	100 kg			
	EP-FC-04	PHOEBUS MACHINERY NC	PBM - 4VS	12123	2010	x- 135mm;y-250mm; z-600mm	250 x 1350mm	500 Kg			

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	240261	2020						
	EP-MI-06	ENGEL	Victory 1160H/330W/300 combi	240262	2020						
	EP-MI-07	ENGEL	E-motion 310/80 TL	241080	2020						
	EP-MI-08	ENGEL	E-motion 310/80 TL	240260	2020						

Fitting Press

	EP-P-01	MILLUTENSIL	MIL 123	973123023	1998	x-1000mm; y-1260mm; z-1000mm	1200mm x 1000 mm	6000 kg			
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Profile Grinding Machine

	EP-RP-02	FREEMPORT	SGS816	621012	Anterior 1995	x-750 mm; y-450mm; z-400 mm	250 x 400 mm	30 kg			
	EP-RP-04	JONH & SHIPMAN	540H	M21243	2002	x-402mm; y-180mm; z-450mm	150 x 450 mm	30 kg			
	EP-RP-07	OKAMOTO	L350B	62427	2012	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm	30 kg			
	EP-RP-08	OKAMOTO	L350B	62428	2012	x-205mm; y-13mm; z-31,75 mm	360mm x 150 mm	30 kg			
	EP-RP-09	OKAMOTO	L350B	62662	2017	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm	30 kg			
	EP-RP-10	OKAMOTO	L350B	62663	2017	x-205mm; y-13mm; z-31,75 mm	360 x 150 mm	30			

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Plan Grinding Machine											
	EP-RP-06	PERFECT	PFG70150AHR	0585007	2005	x-1500mm; y-800mm; z-350mm	1500 x 800 mm	445 kg			
Vision System											
	EP-SV-01				2019						
Silicone dosing system											
	EP-MIS-01	ELMET	TOP 5000 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			
Additive Manufacturing											
	AM-MQC-01	3D SYSTEMS - SLS Mixer Powder	Single SLS MQC	20081384701	2019						
	AM-SLS-01	3D SYSTEMS - Printer SLS	ProX SLS 6100	2007F403701	2020	370x320x450mm					
	AM-DLP-01	3D SYSTEMS - Printer DLP	Printer of Figure 4 Modular Base Unit	11302414908	2020	50x70x300mm					

