

OUR TECHNOLOGY

Author: Mycesa

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1. BORING-MILLING TECHNOLOGY

BORING-MILLING MACHINE SACEM MSMG-150 CN		
STROKE	VERTICAL	1900 mm
	CROSS	2900 mm
	LONGITUDINAL	1500 mm
	MAIN SPINDLE	1000 mm
	DIAMETER	150 mm
TABLE	SURFACE	1600 x 2000 mm
	MAXIMUM LOAD	10000 Kg
SPEEDS - 4 to 1600 r.p.m.		
CNC – HEIDENHAIN TNC-530		



BORING-MILLING MACHINE SACEM MST-XC-110		
STROKE	BORING BARS	110 mm
	MAIN SPINDLE	800 mm
	VERTICAL	1200 mm
	CROSS	1700 mm
	LONGITUDINAL	1000 mm
TABLE	SURFACE	1200 x 1450 mm
	MAXIMUM LOAD	4000 Kg
SPEEDS – 10 to 1000 r.p.m.		
CNC – HEIDENHAIN TNC-430		



2. MACHINING CENTER

GANTRY MACHINING CENTER AXA VPC2800 U		
STROKE	LONGITUDINAL	3900 mm
	CROSS	2940 mm
	VERTICAL	1100 mm
TABLE	SURFACE	Ø 2800 mm
	MAXIMUM LOAD	15.000 Kg
SPEED – 1 to 9.000 r.p.m.		
ADVANCES RANGE - 1 A 30.000 mm/min		
CNC – HEIDENHAIN iTNC-530 HSCI		
TOOLS	Auto-Tool Changer: 60 tools.	



MACHINING CENTER DMF 360 Y 1100		
STROKE	LONGITUDINAL	3600 mm
	CROSS	1100 mm
	VERTICAL	920 mm
TABLE	SURFACE	4200 x 1100 mm
	MAXIMUM LOAD	5000 Kg
SPEED – 1 to 10.000 r.p.m.		
ADVANCES RANGE - 1 A 60.000 mm/min		
CNC – HEIDENHAIN iTNC-530		
DIVISOR	Equipped with 4º Axis Horizontal/Vertical model LEHMAN EA-530 : pneumatic block	
TOOLS	Auto-Tool Changer: 30 tools.	



MACHINING CENTER DMG CMX70 U

TABLE	Ø800x620
STROKES	750 x 600x 520 mm
RAPID TRAVERSE	30 m/min
HEADSTOCK	12.000 r.p.m. – SK 40
POWER	13/9 KW
TOOLS	Auto-Tool Changer: 30 tools
B AXIS -10º/+95º	
C AXIS 360º	
CNC – HEIDENHAIN 620 -21MB	



MACHINING CENTER DMG CMX50 U + PALLET HANDLING PH150

STROKE	LONGITUDINAL	500 mm
	CROSS	450 mm
	VERTICAL	400 mm
TABLE	SURFACE	630 x 500 mm
	MAXIMUM LOAD	200 Kg
SPEEDS – 12.000 r.p.m.		
CNC – HEIDENHAIN TNC 620		
Auto-Tool Changer: 60 tools		
Pallet loading/unloading system with manipulator arm and pallet loader.		

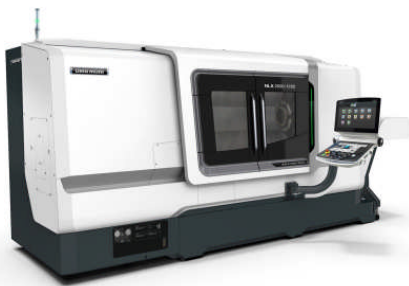


3. MILLING MACHINES

MILLING MACHINE CORREA CF-22/25 PLUS		
STROKE	LONGITUDINAL	2500 mm
	CROSS	800 mm
	VERTICAL	800 mm
TABLE	SURFACE	2500 x 700
	MAXIMUM LOAD	4000 Kg
SPEEDS – 605 to 4000 r.p.m		
CNC – HEIDENHAIN TNC-410		
OTHERS	Equipped with divisor 4º Axis	
	Horizontal/Vertical model	
	SINCOR H/V 400 + tailstock +	
	Headstock 2 output at 90º	
	Ready for 4º axis CNC	
	Electronic portable flywheel.	



4. CNC LATHES

UNIVERSAL CNC LATHE DMG NLX2500 Y 1250		
SWING DIAMETER	688 mm	
ENGINE POWER	18.5 Kw	
TABLE DIAMETER	305 mm	
TRAVEL (X/Z)	260/+/-50/1345 mm	
RAPID TRAVERSE	30 m/min	
TURRET TYPE	12 TOOLS	
TOOLS CAPACITY	12	
TAILSTOCK DIAMETER	91 mm	
SPEEDS	4000 rpm	
CNC - M730UM WITH CELOS -		

CNC LATHE EMAG USC-2		
SWING DIAMETER	660 mm	
ENGINE POWER	AC 34Kw	
TABLE DIAMETER	310 mm	
TRAVEL (X/Z)	400/1500 mm	
RAPID TRAVERSE	10/10 m/min	
TURRET TYPE	VDI 3425	
TOOLS CAPACITY	8	
TAILSTOCK DIAMETER	80 mm	
SPEEDS	3200 rpm	
CNC - SIEMENS SINUMERIK 810-D		

5. CONVENTIONAL LATHES

CONVENTIONAL LATHE AMUTIO HB 575		
SWING DIAMETER	575mm	
ENGINE POWER	12 H.P.	
TRAVEL (X/Z)	250/1500 mm	
TAILSTOCK DIAMETER	70 mm	
SPEEDS	18	
SPINDLE SPEED RANGE	25-2000 rpm	

6. AUXILIARY MACHINERY

HYDRAULIC SAW SABI HER 275 AE

CUTTING CAPACITY	DIAMETER	275 mm
	SECTION	235 mm
BLADE DIMENSIONS		500 (20") y 450 (18")
AUTOMATIC TRAVERSE LENGTH		0-500 / 0-4500
MAIN MOTOR		4 H.P.
COOLANT PUMP MOTOR		0,1 H.P.
HIDRAULIC GROUP MOTOR		1 H.P.
NUMBER OF STROKES PER MINUTE		60-90-125-155
SPEEDS M/MINUTE		16-23-32-40



SURFACE GRINDING MORKAIKO

MAXIMUM SIZE OF THE PART TO GRINDING	LENGTH	650 mm
	WIDTH	300 mm
	HIGH	320 mm
TABLE	SURFACE	630 x 200 mm
	MAXIMUM LOAD	150 Kg
DISTANCE BETWEEN SPINDLE TO TABLE		80 – 445 mm
WHEEL HEAD MAXIMUM SPEED		365 mm
MANUAL STROKE OF THE TABLE	LONGITUDINAL	700 mm
	CROSS	250 mm
SPEED	TABLE	2 – 30 m/mn
	TRANSVERSE	0,01 – 1,5
	WHEEL HEAD	0,3 m/mn
VALUE OF ONE GRADUATION OF THE NONIUS	VERTICAL TRAVERSE	0,002 mm
	MICRO. VERTICAL	0,0005 mm
	CROSS TRAVERSE	0,05 mm
	MICRO. TRANSVERSE	0,001 mm
STROKE OF ONE REVOLUTION OF THE NONIUS WHEEL	TRANSVERSE	5 mm
	VERTICAL	0,20 mm
AUTOMATIC AND TRANSVERSAL TABLE TRAVERSE		0,3 – 30 mm



AUTOMATIC TRAVERSE OF WHEEL HEAD	0,002 – 0,08 mm	
WHEEL DIMENSIONS	250 x 76 x 40 mm	
MINIMUM DIAMETER OF THE WHEEL (AFTER USED)	160 mm	

HYDRAULIC TAPPING MACHINE GAMOR M2-M48

MINIMUM TAPPING CAPACITY	M2
MAXIMUM TAPPING CAPACITY	M48
R.P.M. MAXIMUM	590
MAIN MOTOR	7,5 H.P.
MAIN MOTOR VOLTAGE	380 V
PUMP	0,24 Kw
ARM LENGTH	1500 mm



SAWING MACHINE T 315 B



UPRIGHT DRILLING MACHINE TD-17R



BAND SAW SAMUR S400



GANTRY CRANES:

BENGO 4TN, JASO 5 TN, BENGO 8TN



WELDING



6. QUALITY CONTROL AND CHECKING

- **QUALITY SYSTEM:**

- ON 3 MARCH 2004 WE OBTAINED THE CERTIFICATE:
ISO 9001:2000 CURRENTLY UPDATED TO **ISO 9001:2015**



- **CONTROL AND VERIFICATION ELEMENTS:**

- GRANITE AND
- MICROMETERS
- INTERIOR METERS
- GAUGE BLOCK SET
- ...

**ALTIMETER TESA-
MICROHITE**



**DUROMETER HOYTON
1003 AS**



CROSS MEASURING MACHINE CNC AUTOMATIC

SHEFFIELD MERCURY C

STROKES: 3000 x 1600 x 1800

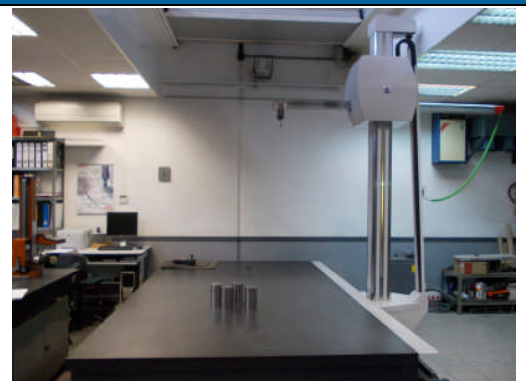
CNC DEAC FOR 3 MOTORIZED AXIS

FOUNDRY TABLE

INDEXABLE MOTORIZED HEAD TESASTAR M

ELECTRIC DETECTOR 5 DIRECTIONS RENISHAW TP20

CALIBRATION SPHERE



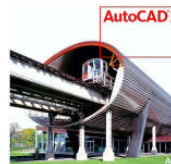
7. SOFTWARE CAM, CAD AND COMMUNICATIONS

- **SOFTWARE:**

- SOFTWARE: MASTERCAM 2019



- SOFTWARE CAD: AUTOCAD, AUTOCAD2011, INVENTOR 2017



We have a **multitask system of simultaneous communication SISCOM/MUL** that allows us to communicate simultaneously all the CNC machines of our plant, centralizing only in one PC-AT the communication of CNC programs.