

## FACILITIES

We have 4.000 m<sup>2</sup> as for workshop surface covered by **9 double hoist** cranes.

Our largest crane is 32 + 16 Tons.

We can handle tools up to 60 tons weight (Mold opened).

- **Loading in dock nº 1:** Crane **32 + 16 Tons**.
- **Loading in dock nº 2:** Crane 12 + 6 Tons.  
**In total we have 9 bridge cranes.**
- **Open top truck** 2,000 x 2,800 mm (max. 1,500 kg).
- **Forklift** maxi load 3,000 kg.

## MILLING MACHINES

- Machining center **5 axis AXILE G8** BUFFALO  
Ø 800 – Maxi weight of 1,300 kg.  
48 tools in warehouse – Spindle speed 20,000 rpm.
- Machining center **5 axis HERMLE C400**  
Ø 650 - Maxi weight of 600 kg. .  
38 tools in warehouse - Spindle speed 18,000 rpm.
- Machining center **AWEA VP2012** Fanuc control  
2,000 x 1,200 x 760 mm - Maxi weight of 3,500 kg.  
40 tools in warehouse - Spindle speed 15,000 rpm.
- Machining center **AWEA SP3016** Fanuc control  
3,000 x 1,600 x 800 mm - Maxi weight of 10,000 kg.  
32 tools in warehouse - Spindle speed 10,000 rpm.
- Universal milling machine **CORREA A30/25** + Selca Control  
2,500 x 1,500 x 1,500 mm - Maxi weight of 8,000 kg.  
30 tools in warehouse – Automatic head positioning each 2.5° 3.000 rpm
- Bridge Machining milling **CORREA EURO 2000** + Selca Control  
2,000 x 1,200 x 800 mm - Maxi weight of 2,500 kg.  
24 tools in warehouse - Spindle speed 11,000 rpm. / 18,000 rpm.
- Universal milling machine **ZAYER 20KF2000**. + Selca Control  
2,000 x 1,200 x 1,000 mm – Maxi weight of 6,000 kg.  
Spindle speed 3,000 rpm.

- Machining center **KONDIA HM 1060** + Selca Control  
1,060 x 600 x 400 mm - Maxi weight of 660 kg.  
24 tools in warehouse - Spindle speed 8,000 rpm.
- Machining center **KONDIA HM 640** + Selca Control  
640 x 400 x 400 mm - Maxi weight of 300 kg.  
24 tools in warehouse - Spindle speed 6,000 rpm.
- Machining center **DECKEL MAHO DMC 835V** + Heidenhain Control  
1,835 x 510 x 510 mm - Maxi weight of 1,000 rpm.  
30 tools in warehouse - Spindle speed 18,000 rpm.  
Production of graphite electrodes with Erowa Support System
- Machining center **BRIDGEPORT** + Heidenhain Control  
X760 x Y610 x Z610 mm - Maxi weight of 700 kg.  
30 tools in warehouse - Spindle speed 12,000 rpm.  
Production of graphite electrodes with Erowa Support System
- Conventional milling machine KONDIA Turret Digital  
800 x 400 x 300 mm. - Maxi weight of 300 kg.

## **ELECTRO DISCHARGE MACHINES**

All with Erowa System, Autoloader System and C-axis.

- Wire EDM **ONA AV60** range **800 x 600 x 500 mm** automatic wire loading.
- Wire EDM ONA AE-400 range 600 x 400 x 400 mm automatic wire loading.
- Bridge EDM ONA PX 4.60 S1 range 2,500 x 1,500 x 750 mm & CNC.
- EDM ONA TECHNO H-600 range 1,500 x 1,000 x 600 mm.
- EDM ONA NX-400 range 600 x 400 x 400 mm.
- Hole drilling EDM ONA DR2 range 350 x 250 x 380 mm from Ø 0,2 up to Ø 3.

## DRILLING AND LATHE

- **CNC Gun drilling machine IXION TL-1004** CNC Ø32 x 1,000 x 800 mm with Mitsubitshi Control MEDAS 530 - drilling Ø 4 - Ø 32.
- **CNC LATHE PINACHO ST-225** (Fagor 8055) – 1,500 mm between centre – **plate Ø 250**.
- Drilling machine IRSASA RSE 32 range x=1,100; y=1,100; z=580.
- Lathe PINACHO Ø300 x 2,000 mm.
- Lathe PINACHO Ø300 x 1,650 mm.

## FITTING MACHINES

- **Die spotting machine MILLUTENSIL-203** -150 Tn with capacity **2,130 x 1,630 x 1,500 mm**
- **Die spotting machine CAMP** 200 Tn with capacity **2,000 x 1,500 x 1,800 mm**.
- Die spotting machine REIS TUS 60 - 100 Tn with capacity 620 x 470 x 740 mm.
- Surface GRINDING MACHINE GER with capacity 1,500 x 750 x 500 mm.
- Surface GRINDING MACHINE CHEVALIER FSG 1632AD with capacity 800 x 400 x 500 mm.
- Surface GRINDING MACHINE FERDIMAT with capacity 600 x 300 x 200 mm.

## CLEANING & WELDING

- **Ultrasonic cleaning machine FISA** – 3 VST 350 P – Maxi weight of 500 kg - range **500 x 850 x 800 mm**.
- Portable laser welding machine ALPHALASER 150W, allow us to carry out interventions in our clients facilities and in mold of any size.
- **Laser welding machine SISMA SWA 150 W** with 3 motorized axis X, Y, Z.
- Two TIG welding devices which allows us to add materials such as Steel, Copper and Aluminium.
- 150W portable micro soldering.
- Autogenous welding.

## **QUALITY & CONTROLS**

- Digitizing and measuring arm **FARO QUANTIUM-S Ø2.500 mm** for action range.
- Profile enlarger MITUTOYO PH-A14 range 205 x 110 mm with 10:1 magnification.
- HRc hardness tester.

## **MISCELLANEOUS**

- Ultrasonic machines, 3 saws machines and complementary equipment.
- ISCAR Induction thermal equipment.
- MODULA MC 50 smart warehouse.

## **DESIGN & MANUFACTURING SOFTWARES**

- UNIGRAPHICS CAD/CAM.
- GLOVIUS.
- KEYCREATOR.
- ESPRIT (thread cutting).