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Plasma cutting, saw cutting, water jet cutting,  
 laser cutting, trading of stainless steel  
 quarto plates and nickel alloys

UNI ISO 9001:2015 / UNI ISO 45001:2018



### PLASMA CUTTING

The material is cut by melting the edge of the item. A jet of gas at ultra high temperature is used to melt it, producing a 3/4 mm cut. This technology guarantees a clean, high-quality cut with little tapering. Cutting can be done completely submerged under water, semi-submerged or in air. High-definition cutting available (8 ± 80).

Maximum size: 3000 x 8000 mm. / 2500 x 12000 mm.

Maximum thickness: 150 mm. Type of cut: all shapes. Numerical Control Machines.

### SAW CUTTING

The material is cut by sawing the sheet metal with a toothed blade. This technology guarantees a perfectly perpendicular cut and a high finish; it also minimizes any changes in the mechanical specifications of the material. Particularly suitable for the supply of plates in bespoke sizes.

Maximum size: 2500 x 8000 mm. / 2500 x 6000 mm.

Maximum thickness: 200 mm. Type of cut: vertical and horizontal. Numerical Control Machines.

### WATER JET CUTTING

The material is cut using a high-pressure jet of a mixture of water and abrasive material. Thanks to this cold cut process the chemical and physical characteristics of the material do not undergo any alterations, so a top-quality cut is achieved.

Maximum useful cut size: 3000 x 8000 mm.

Maximum thickness: 150 mm. Type of cut: all shapes.

### LASER CUTTING

The cutting process takes place through a laser head with a 12 KW generator. This technology guarantees a perfect vertical cut with fine finishing.

Maximum size: 3000x6000 mm

Maximum thickness: 20 mm. Type of cut: all shapes

### TRADING

We normally have a wide range of materials in stock to guarantee prompt delivery of quarto plates. Various sheet metal sizes are available depending on the type of grade; the maximum width is 3000 mm, length 12000 mm and thickness 150 mm.

## NICKEL ALLOYS

| MATERIAL       | UNS          | EN            | ASTM     | THICKNESS (mm) |     |
|----------------|--------------|---------------|----------|----------------|-----|
|                |              |               |          | RANGE          | MAX |
| Alloy 400      | N04400       | 2.4360        | B127     | 2÷25           | 70  |
| Alloy 625      | N06625 Gr. 1 | 2.4856        | B443     | 2÷50           | 50  |
| Alloy C276     | N10276       | 2.4819        | B564/574 | 3÷20           | 50  |
| Alloy 825      | N08825       | 2.4858        | B424     | 3÷60           | 120 |
| Alloy 800/800H | N08800/11    | 1.4958/1.4876 | B409     | 5÷30           | 120 |
| Alloy 600      | N06600       | 2.4816        | B168     | 6÷25           | 120 |
| Alloy C22      | N06022       | 2.4602        | B574     | 3÷20           | 50  |

## SPECIAL STAINLESS STEEL

| MATERIAL     | UNS           | EN/DIN |                      | THICKNESS (mm) |     |
|--------------|---------------|--------|----------------------|----------------|-----|
|              |               |        |                      | RANGE          | MAX |
| Duplex       | S31803/S32205 | 1.4462 | X 2 CrNiMoN 22-5-3   | 3÷100          | 120 |
| Super Duplex | S32750        | 1.4410 | X 2 CrNiMoN 25-7-4   | 3÷80           | 120 |
| Super Duplex | S32760        | 1.4501 | X2 CrNiMoCuWN 25-7-4 | 5÷60           | 120 |
| 904L         | N08904        | 1.4539 | X1 NiCrMoCu 25-20-5  | 5÷70           | 120 |
| 254          | S31254        | 1.4547 | X1 NiCrMoCuN 20-18-7 | 4÷50           | 50  |

## STAINLESS STEEL

| AISI       |        | EN/DIN               |  | THICKNESS (mm) |     |
|------------|--------|----------------------|--|----------------|-----|
|            |        |                      |  | RANGE          | MAX |
| 304        | 1.4301 | X 5 CrNi 18-10       |  | 1÷150          | 150 |
| 304L       | 1.4307 | X 2 CrNi 18-9        |  | 1÷150          | 150 |
| 304H       | 1.4948 | X 6 CrNi 18-10       |  | 1,5÷60         | 150 |
| 310S       | 1.4845 | X 8 CrNi 25-21       |  | 3÷60           | 120 |
| 316        | 1.4401 | X 5 Cr Ni Mo 17-12-2 |  | 1÷150          | 150 |
| 316L       | 1.4404 | X 2 CrNiMo 17-12-2   |  | 1÷150          | 150 |
| 317L       | 1.4438 | X 2 CrNiMo 18-15-4   |  | 6÷100          | 130 |
| 316Ti      | 1.4571 | X 6 CrNiMoTi 17-12-2 |  | 3÷100          | 150 |
| 321        | 1.4541 | X 6 CrNiTi 18-10     |  | 1÷120          | 150 |
| 321H       | 1.4878 | X 10 CrNiTi 18-10    |  | 1÷100          | 150 |
| 347 / 347H | 1.4550 | X 6 CrNiNb 18-10     |  | 6÷60           | 150 |
| 410S       | 1.4000 | X 6 Cr 13            |  | 6÷100          | 150 |

