

## PRESS RELEASE

Since the nineties RAPIDO by Prima Industrie is the 5-axis laser machine designed to cut and weld big components. RAPIDO is successfully used in the most diversified industrial fields (automotive, aerospace, energy, food, household appliances, just to quote some) and by first class jobshops, who can exploit the machine versatility to the full extent. RAPIDO in its new, restyled version offers the maximum flexibility and accuracy to satisfy the highest productivity.

### CABIN

The cabin is very practical: the automatic door disappears upwards, within the roof, leaving the room in front of the machine fully accessible from three sides. According to the Customer's needs, RAPIDO can be equipped with the so-called *split cabin*, a cabin with the working area split into two parts. A removable partition allows the use of the work areas independently the one from the other: the cabin has two separate doors so that the operator can work safely in a half, while the machine is processing the piece in the other, with no idle time.

### Applications

The standard cutting head of RAPIDO grants an excellent penetrability, and adaptability in approaching and cutting the part.

Thanks to the *Join-it* system, the head adapts to all types of applications, passing from one material to another, and from cutting to welding rapidly and without any reconfiguration of the machine.

RAPIDO can cut and weld three-dimensional components only with a simple change of the head.

Very good welding results are got on stainless steel as well as on mild steel, on zinc coated steel and also on some aluminium alloys.

With laser welding, joints have the highest penetration as well as a localized heat affected zone largely reduces the deformations of the area being treated.

RAPIDO can make continuous welding as well as stitch welding, with or without shielding gas. In the applications requiring no shielding gas, the laser head constantly keeps the distance of 150 mm from the component to be welded, granting no interference with the fixture.

During the welding process, the focusing mirror is kept clean by a *cross-jet* device.

PRIMA INDUSTRIE's know-how encompasses machine, laser and CNC: all conceived, designed and manufactured within the PRIMA Group.

The CP series laser is versatile, efficient and requires low running costs. It is available in different powers according to the application, from 2500 to 4000 W.