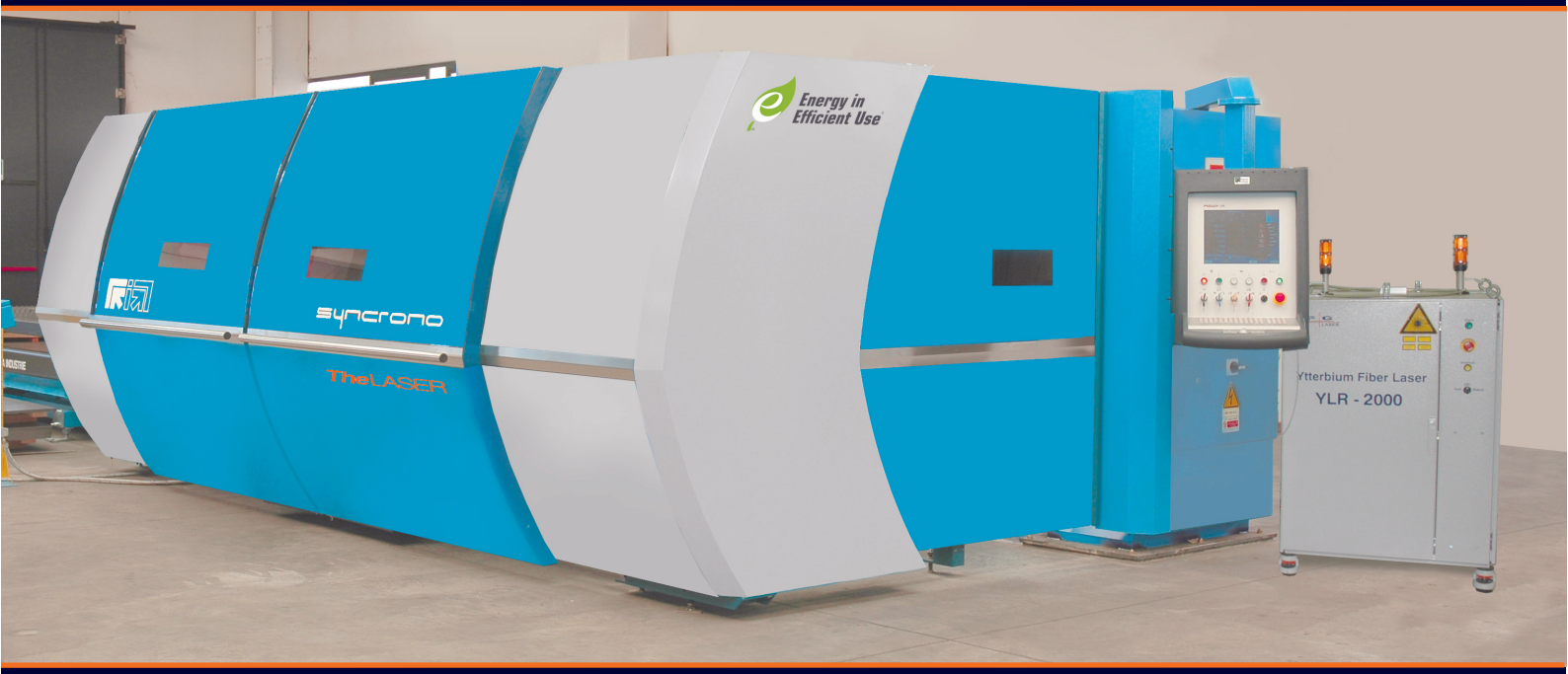
The BEND The COMBI The LASER The PUNCH The SYSTEM The SOFTWARE

syncrono

Energy in Efficient Use®



SPEED^2 + EFFICIENCY^2

EVEN FASTER, EVEN MORE EFFICIENT

The only machine able to exploit the performance of the fibre laser on thin material.

The fibre laser allows to cut thin material (up to 2-3 mm) with higher speed. The dynamics of traditional machines, however, are not adequate to exploit this higher performance: the laser allows higher speeds, but the machine cannot keep up.

With its unique and revolutionary architecture and its 6 g acceleration, SYNCRONO is the only machine on the market which can match the dynamics necessary to fibre laser technology on thin sheets.

Also the energy efficiency of the SYNCRONO (small masses execute faster movements), is further enhanced with fibre laser. This technology allows a drastic reduction of the electric consumptions, thanks to the use of lower powers and to the high efficiency of the source.

SYNCRONO with fibre laser features reduced maintenance, thanks to the simplicity of the source, without turbine, optical chain, filters.

Thanks to the use of fibre laser, the range of materials which can be cut with SYNCRONO is widened, including high reflecting ones, such as brass and copper.

PRIMA INDUSTRIE

syncrono

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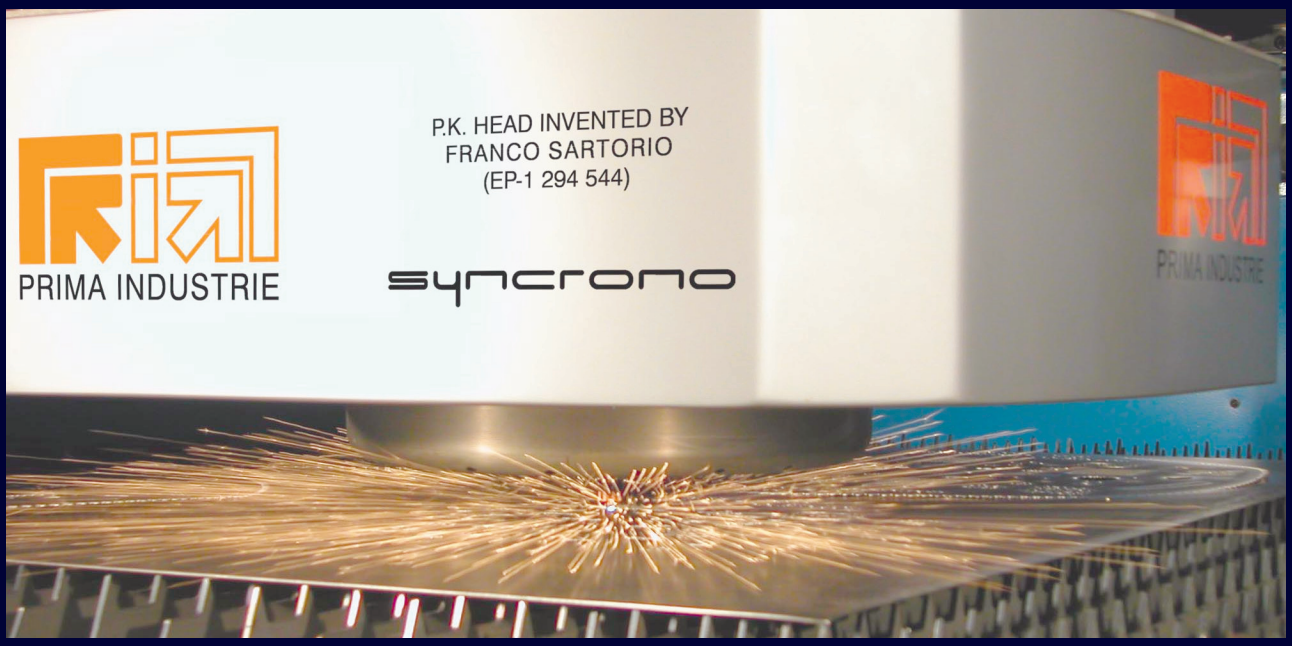

TECHNICAL SPECIFICATIONS

Strokes of main axes	**X** mm 3000	**Y** mm 1500	**Z** mm 130
Strokes of local axes	**U** mm 100	**V** mm 100	
Speed of main axes (X,Y)	100 m/min (maximum combined speed 140 m/min)		
Speed of main axes (U,V)	150 m/min (maximum combined speed 210 m/min)		
Acceleration of main axes (X,Y)	0.8 g (single axis)		
Acceleration of main axes (U,V)	6 g (single axis)		
Axis resolution	0.001 mm		
Precision (*): - according to the VDI/DGQ 3441 standards - length of measuring: complete stroke (*) the precison of the part depends on its type, size and pre-treatment, and the conditions of application.		Positioning accuracy (Pa):	Repeatability (Ps):
Main axes (X,Y,Z)		0.03 mm	0.03 mm
Local axes (U,V)		0.02 mm	0.02 mm
Fibre laser power	2000 W		

PRIMA INDUSTRIE

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