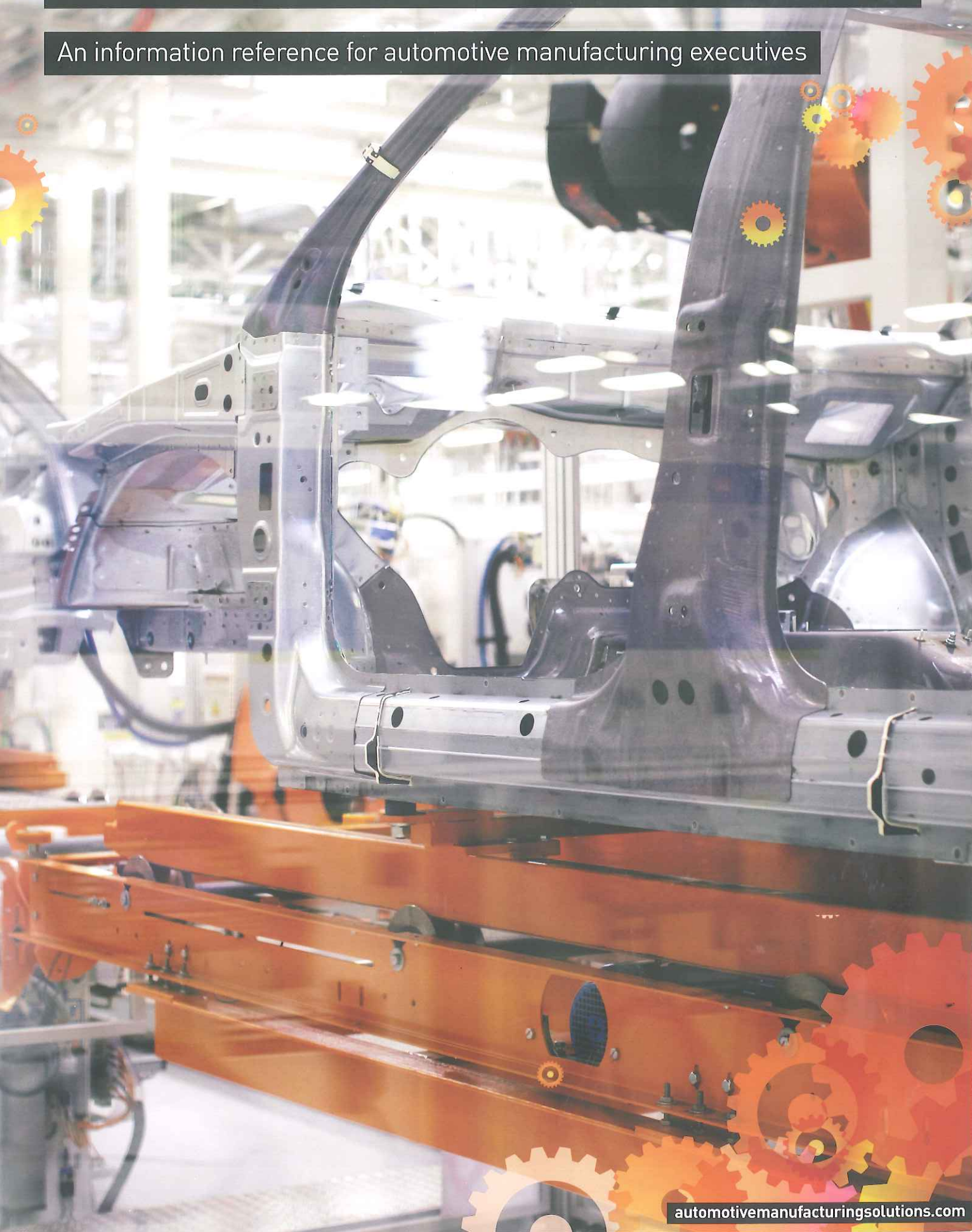
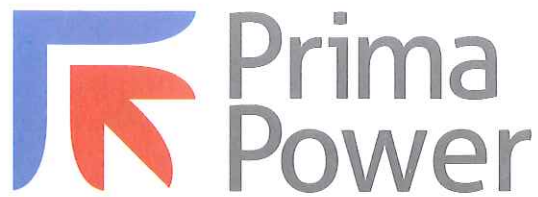


automotive manufacturing solutions **ams** DIRECTORY* 2014

An information reference for automotive manufacturing executives





Prima Industrie S.p.A

Prima Power Division
Via Antonelli 32
10093 Collegno
Torino Italy

Tel: +39 011 4103 1
Fax : +39 011 411 28 27
e-mail: info@primapower.com

www.primapower.com

From the highest flexibility to extreme specialisation

Prima Power has a wide range of products to cover all stages of the sheet metal working process to fulfil every customers requirements.

With this aim in mind Rapido fiber and Domino were designed: Rapido fiber is a laser machine expressly conceived for a specific application, whereas Domino is a laser machine for fully customised solutions.

Rapido fiber is the proper solution when

telecommunications with an increase of several orders of magnitude in available powers) for this purpose, instead of more traditional gas laser.

The shorter wavelength, better quality beam propagation modality and higher energy density in the focusing point are characteristics that notably enhance the productivity in the cutting of thin material, typical of automotive applications. These advantages are enhanced by a remarkable energy saving of 300,000 kW/h per year per machine.



↑ Domino cutting the trailer truck chassis beams



↑ Dozens of Rapido fiber are often installed in plants dedicated to hot stamped steel component cutting

high specialisation is requested, like in the case of hot stamped steel component cutting.

Prima Power was the first to use new laser fibre sources (derived from

However, when the automotive manufacturing process requires a high flexibility, the proper solution is Domino with its peculiar architecture, open and accessible from three sides.

↓ Chassis beams



A clear example is the cutting of trailer truck chassis beams, whose handling is not easy, but becomes so by transportation systems integrated to Domino.

This is a high capacity five-axis machine with the high dynamics of a 2D one, equipped with a CO₂ laser of up to 4,000W suitable for a wide range of thicknesses, up to 25 mm, and with the best efficiency for a CO₂ laser.

Its highly dynamic and accurate direct drive head ensures excellent cutting quality even on thick sheets. Two focal length lenses, 5-inch and 7.5-inch, together with the rapid tool change system, allow easy reconfiguration to suit all types of processing; the F-axis controls the focal position independently of the Z-axis.