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PRESS KIT

DOWNLOAD (online)

www.amada.de/en/exhibitions/2014/techni-show.html

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About AMADA GmbH

The AMADA Group is one of the world's leading manufacturers of sheet metal working machines. AMADA GmbH offers a comprehensive range of cutting, bending, punching and laser technologies. The portfolio is complemented by modular automation components, software applications and a wide range of tools. In addition, AMADA offers its customers a wide variety of additional services. The AMADA Group was founded in 1946 in Japan by Isamu Amada. The German subsidiary AMADA GmbH has been operating since 1973.

PRESS RELEASE 2

The new AMADA CO_2 laser cutting equipment is now available

The highly tuned laser CO2 cutting!

Pioneer of laser machine, AMADA sets a new benchmark in the market of CO2 laser cutting process with the LCG-3015. With its expertise gained during almost 35 years in this field, Amada has designed this machine by combining its best developments on CO2 laser cutting process, the drive shafts, the structure of the machine ... for what? To provide a simple and versatile production tool that, in one machine responds more widely than ever to the needs of sheet metal cutting.

The LCG-3015 new AMADA laser cutting machine benefits of many recent technological developments enabling it to provide to its users excellent results in a wide range of use:

High speed processing
The design of this machine and its axis drive system give it outstanding kinematic characteristics. By observing this machine in operation, we feel the balance between speed and acceleration on the one hand, fluidity and precision on the other hand. Actually, the speed of combined movement of axes (X/Y) reaches 170m/min.

Cutting quality and extensive range of sheet-metal thickness
The machine uses a new 3.5 kilowatts source which has also been optimized. The density of the laser beam is 30% higher than conventional values. This results in a greatly enhanced quality of cut over the entire operating range of the machine. Roughness measurements obtained show improved indices from 15% to 55% depending on the material and thickness of the sheet metal cut.
In addition, better use of the energy of the beam allows, even using a lower power consumption, to cover a wider range of use: sheet thicknesses worked exceed 20mm.

Eco-productive
Besides the power source adjusted, the machine is also equipped with the automatic "stop and go" feature that allows for more energy savings. In addition, maintenance is reduced because time to change and clean mirrors is reduced. These mirrors get doubled operating cycle (up to 24,000 hours). Finally, the machine embeeds Amada "ECO-cut" system. This

allows reductions of working time of more than 38% and cost reductions per produced piece may exceed 43%.

« For our customers, the initial benefits are a quality and productivity gains on the increase, higher than ever » says Gilles Bajolet, CEO AMADA Europe HQ. « A solution that will enable our customers to increase their short-term competitiveness and gain new market share, especially abroad. »

AMADA places sustainable development at the service of industry
While in 1991 , AMADA choose clean and efficient technologies from the energy point of view, the group has since expanded its involvement in environmental protection : 100% of new sites and factories AMADA use of renewable energy and / or are with "0" emission reduction targets with CO2 emissions of 25% by 2020 for the machines and facilities . All French production sites are also involved in the matter: energy savings and recycling, reduced scrap, industrial waste restriction ... LCG-3015 , manufactured in Europe plant at Charleville- Mézières, is part of the ambitious innovation worldwide policy initiated by the group.

« Despite of all ideas, the industry can be part of a sustainable development approach. Our teams are working every day in this requirement and the LCG -3015 is further evidence of their success, », says Gilles Bajolet. « Early feedback confirms our good choice of investment in research and development, particularly in Europe. »

approx. 3,470 characters

Illustration

The AMADA LCG-3015 is concepted for high speed cutting of thin-mid and thick material. The machine has also a high torque motor and a helical hack drive.

Photo credit: AMADA GmbH

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