

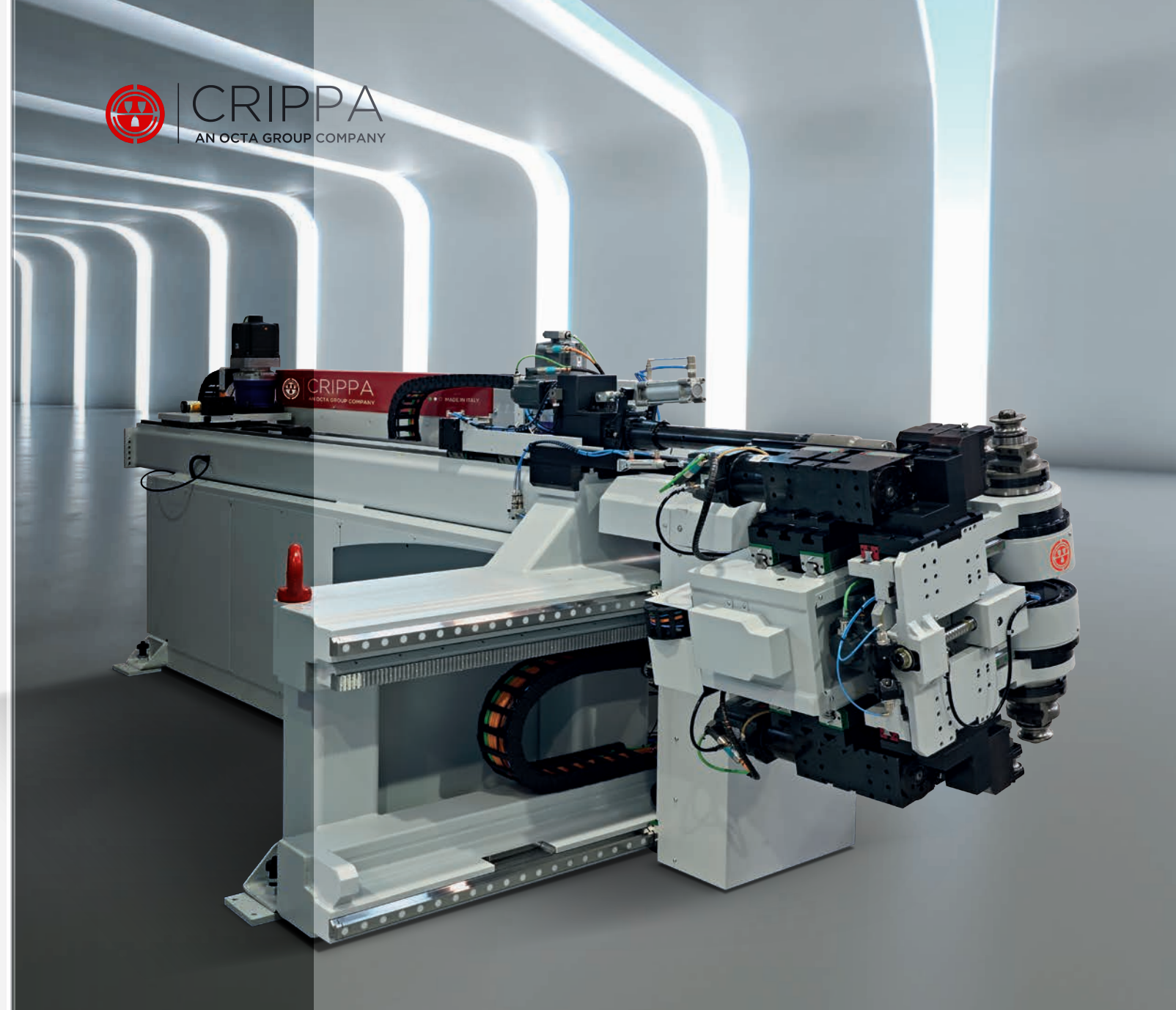


CRIPPA
AN OCTA GROUP COMPANY

OUR PRODUCT LINE

DISCOVER
OUR RANGE
OF TUBE BENDING
AND ENDFORMING
MACHINES

**Advanced technological
solutions for your business**



Bending machines

Small series
Clever series
Linear series

Up&Down series
Heavy series
Heavy BWT series

T series
Basic series
Revolution series

Highly adaptable to production changes and capable of delivering significant benefits in terms of feasibility, productivity, and quality, our tube bending machines offer a wide range of options for tubes up to 225mm in diameter, ensuring ease of use and programmability.

Small series

Infinitely Repeatable Precision

Also for hybrid and extra long tubes

Tube bending machines from the Small series are extra-compact, and able to process tubes with very small diameters in aluminium, steel and stainless steel. With operator configured right or left bending directions, or integrated double direction bending, machines from the Small series can adapt perfectly to all production needs, even where integration is needed in automated work cells or if integrated loading / unloading is necessary.



The Clever solution

The clever solution

Single head, double bending sense, perfect autonomy

The tube bending machines of the Clever series represent the Crippa's solution for the processing of small steel tubes. Right or left in cycle, CLEVER tube bending machines offer patented solutions to reduce cycle times and simplify the production process, ensuring excellent bending quality.



Linear series

One Philosophy, Many Solutions

Customised tube bending machines for every diameter

The linear series machines can do multistack and multiradius bends with manually reconfigurable bending direction, and can make bends with CLR/DIA ratio even less than 0.8. The nine controlled axes that govern the machine's movement are driven by absolute digital electric motors with Full Electric technology and controlled by a CNC Siemens 840D sl.



Up&Down series

You decide the limit

There is an Up&Down for your every need

Tube bending machines in the Up&Down series feature a double bending head that makes it possible to use only one machine, without operator intervention, to complete tube geometries that usually require post processing operations. This provides considerable advantages for both productivity and precision. The movements of these tube bending machines can turn the tube in the space during the process, eliminating interference with the machine or with the geometry of the part being produced. The ten controlled axes that govern the movement of Up&Down are driven by absolute digital electric motors with Full Electric technology and controlled by a CNC Siemens 840D sl.



Heavy series

Power and Control

Power and precision for high intensity bending processes

Tube bending machines from the Heavy series stand out for their rigidity and precision, which ensure high level performance and maximum repeatability in heavy processes. The high vertical excursion of these tube bending machines makes it possible to increase the number of processing levels, and despite their impressive dimensions, these machines ensure high energy savings.

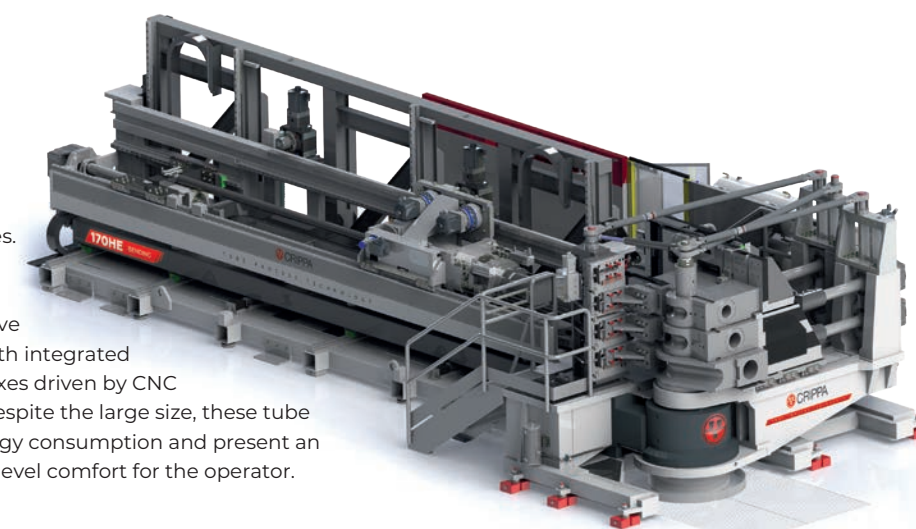


Heavy BWT series

Impressive, Like Our Ability to Innovate

Heavy processes are no longer a limitation

The Heavy BWT series was created to process tubes with very large diameters: these machines can hold heavy loads and withstand stressful production cycles. This series offers a range of multistack or single stack tube bending machines, and both versions are multiradius. All have last generation absolute servomotors with integrated feedback and diagnostics. Full Electric axes driven by CNC Siemens 840D sl run these machines. Despite the large size, these tube bending machines ensure reduced energy consumption and present an ergonomic layout that guarantees high level comfort for the operator.

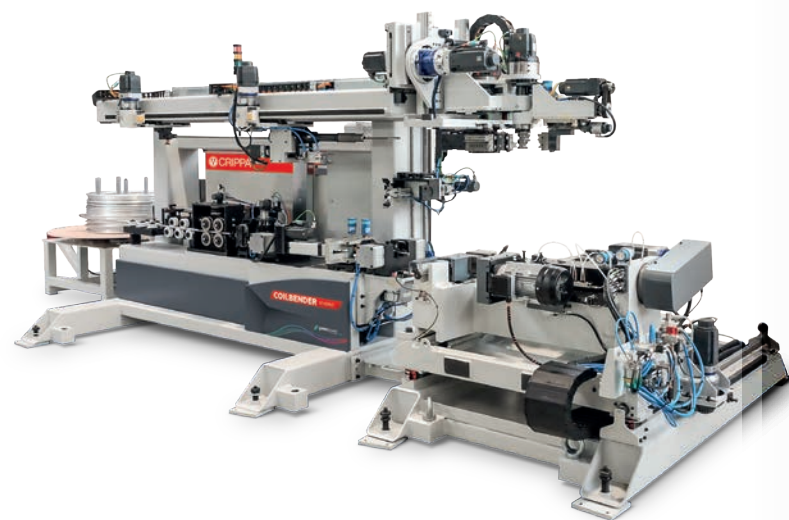


T series

"T" stands for tailor made

Tailored answers to your production needs

For over 70 years Crippa has been in dialogue with its customers, analysing the needs of the market and developing products and services to respond promptly to the different requests coming from different sectors. Thanks to this experience and to our know-how, the T Series was born. A series of tube bending machines very different from each other but kept together by the same goal: responding to the needs of a specific production sector as a tailor would do with a tailored suit.



Basic series

Technology made simple

Crippa quality in a new versatile and economical tube bender

The machines in the BASIC line consist of numerically controlled tube bending machines with completely automatic cycles. They feature small bending heads so they can even run a single processing cycle to produce tube geometries that normally require a double bending direction, leading to notable advantages in terms of both productivity and precision.

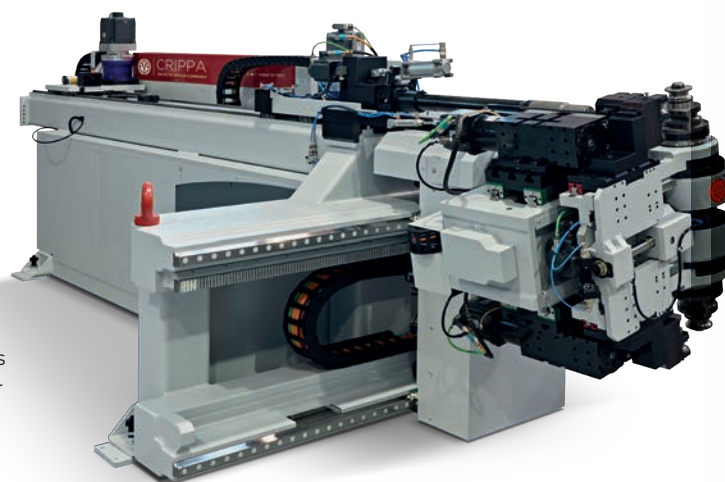


Revolution series

The new era for right and left tube bending machines

Double direction bending has never been so simple

Tube bending machines in the REVOLUTION Series feature a new concept of double bending direction machines with high personalization and flexibility of the loading and unloading systems, which can be programmed according to production needs. New Siemens SINUMERIK ONE control model which defines new standards in processing speed, allowing PLC cycle times up to 10 times faster than its predecessor. The reduction of components results in greater rigidity while increasing precision and repeatability.



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Endforming machines

- Rapid series
- Quick series
- Heavy-S series

Compact, versatile and ranging from 8 to 60 tons in power, Crippa's endforming machines are able to shape any project due to their high level of personalisation and vast array of tools that they can mount. All of our endformers can be used alone or inside a work cell. They are appreciated for their ergonomic layouts, simple operation and capacity to connect to "smart factory" production systems.

Rapid series

Small, Precise, Reliable

Compact and intelligent, these machines contain all of Crippa-SMI's know-how

Endforming machines from the Rapid Series are extremely compact and designed to meet less complex production needs, while guaranteeing high levels of accuracy. The extremely compact ergonomics of the endforming machines in this line makes them easy to move and highly suitable for integration into new and existing work cells, also with Profinet communication protocol. The S0 and S1 machines have PLC with self-learning programming systems.



Quick series

Limitless Endforming

Number of steps customisable to fit your needs

Endforming machines from the Quick series are machines having up to three axes that can make up to 6 steps to shape the tube. They have an endforming power of 8 tons in thrust and rotation, because they can integrate different rotating heads. This family of machines uses CNC Siemens 840D sl technology. The Quick series also includes a model that can integrate hydroforming processes and endforming in the cycle. The performance of this line allows very complex shaping processes on short and medium-long tubes.



Heavy-S series

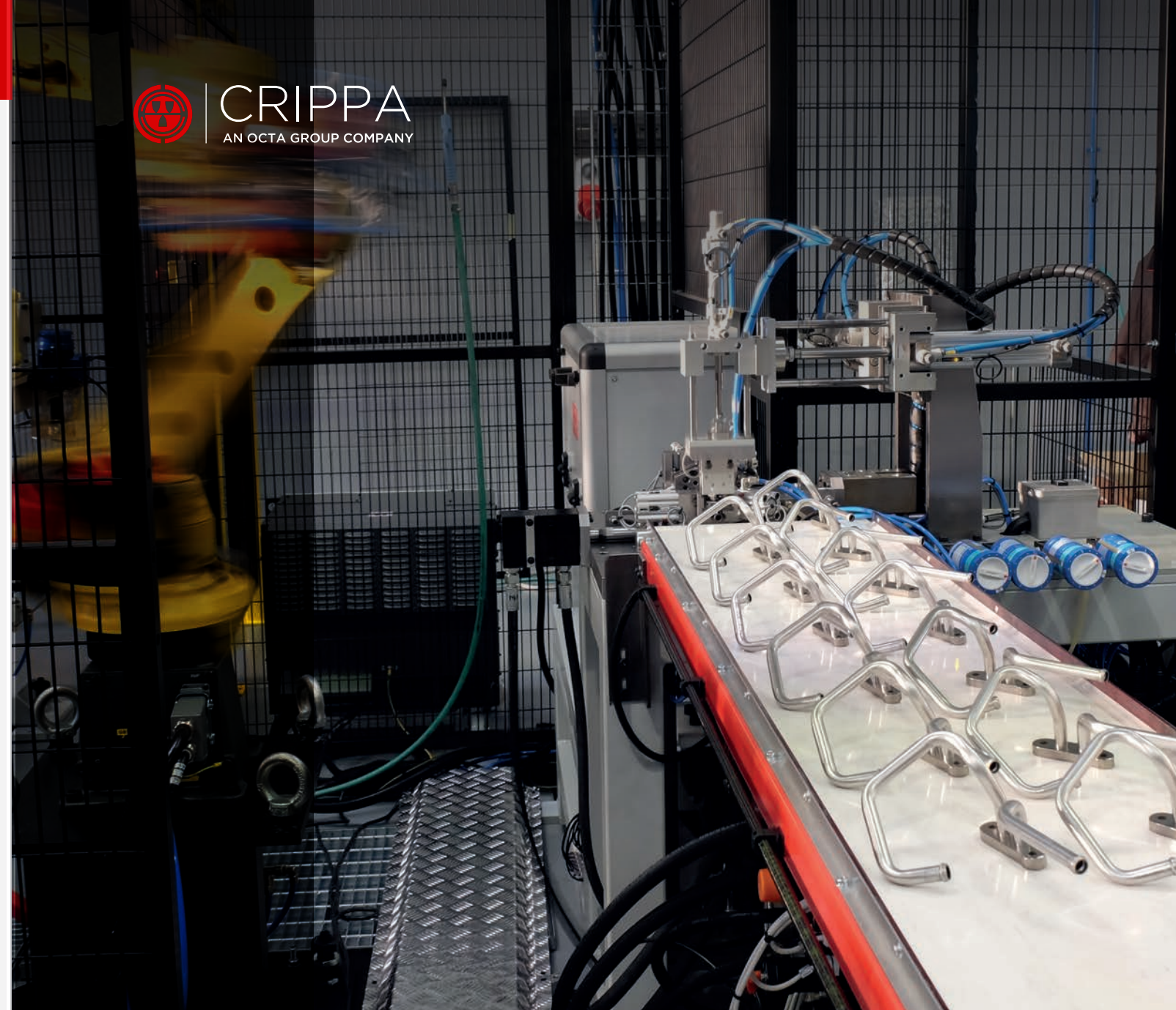
More power leads to more precision

Endformer with vertical clamping for large diameter tubes

Complex processes are no problem for Heavy series endforming machines with vertical clamping. The line guarantees high quality standards and precision, and ensures high production levels. These large machines can complete up to six steps during the cycle, with precise movements of the two CNC axes. The machine is managed by the CNC Siemens 840D sl: very high performance numerical control technology. These compact endforming machines were designed for easier operation and tool changes, and to take up less physical space, which is remarkable for a machine large enough to process large diameters.



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Workcells

Efficiency, flexibility and productivity in a turnkey solution

Combining different technologies and processes to increase efficiency

Integrated work cells provide advanced solutions to produce efficiently complex and innovative products with high yield. By combining various technologies and processes, these systems enhance efficiency, productivity and flexibility, optimizing cycle times and reducing waste.

Crippa leverages its expertise to offer customized solutions

Integrating technologies from the shelf and developing new ones to meet specific customer requirements, we can:



Improve product quality

With long experience in managing production challenges, OCTA Group Integrated work cells minimize production waste and improve quality of sellable products.



Increase efficiency

Workflow optimization and reduced downtime lead to a significant reduction in production costs.



Increase flexibility

Integrated work cells are built with fast change over time and can be easily adapted to new products and variants. This allows companies to be ready to fast market changes.



Customized solutions

Integrated work cells are designed and configured to meet the needs of customers' market requirements. Each cell is thought, configured and built with affordable solutions to cope with different production volumes, change over and quality. The cells are created with components and technologies that allow customers to reach business objectives.



Improve traceability

Real time data control provides important information about product traceability and overall production performances. This facilitates fast decisions in a constant process analysis.



Focus on you

Customers, business objectives and operators safety are the DNA of OCTA Group's integrated work cells. Our solutions are tailor made and specifically designed with high level of standardized solutions.



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Automotive



Urban



Appliances



Railways



Furniture



Aerospace



Cycles



Agriculture



Heavy duty machines



Motorcycles



Medical



HVAC-R



Data center



Leisure



Marine



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