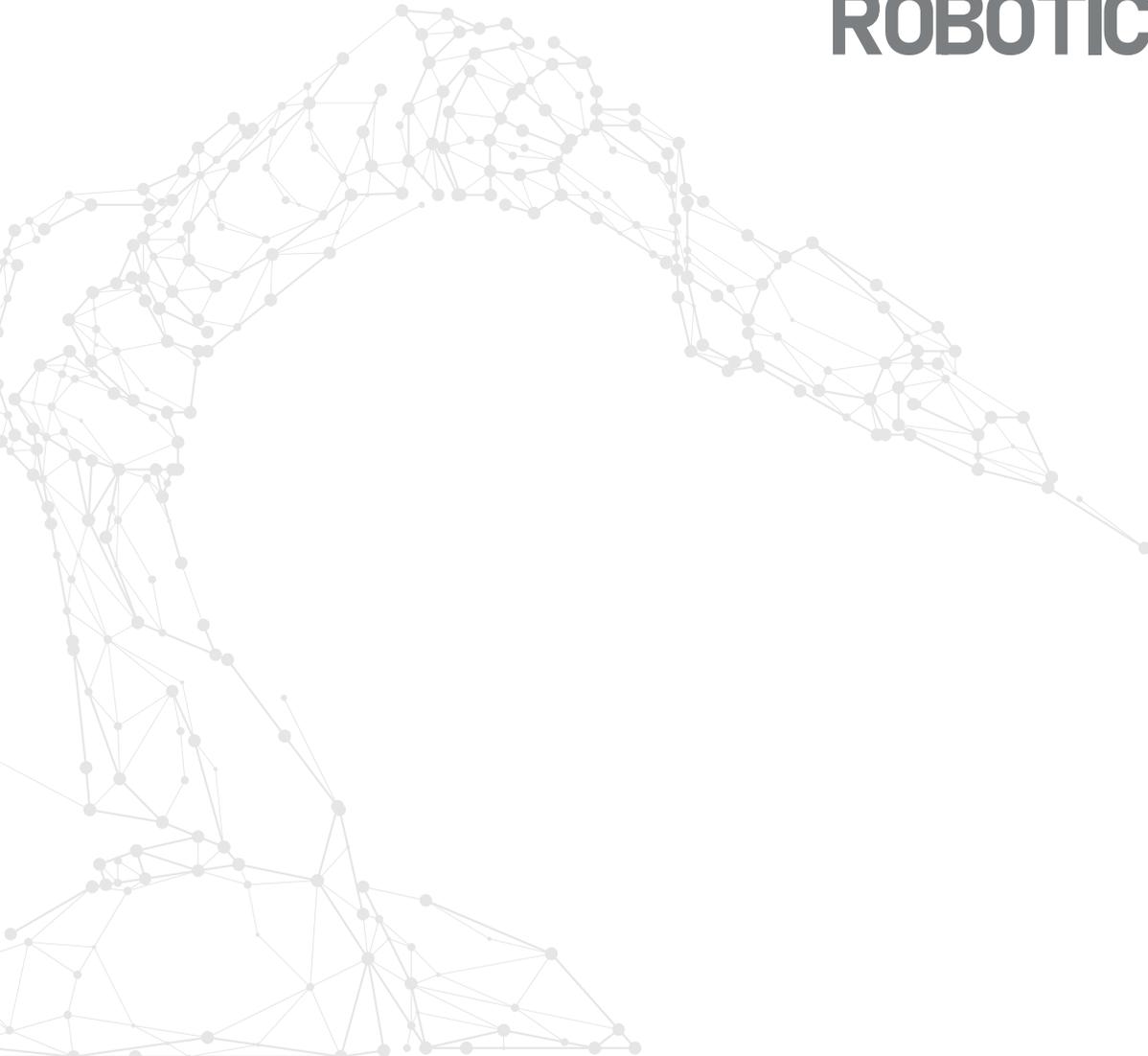
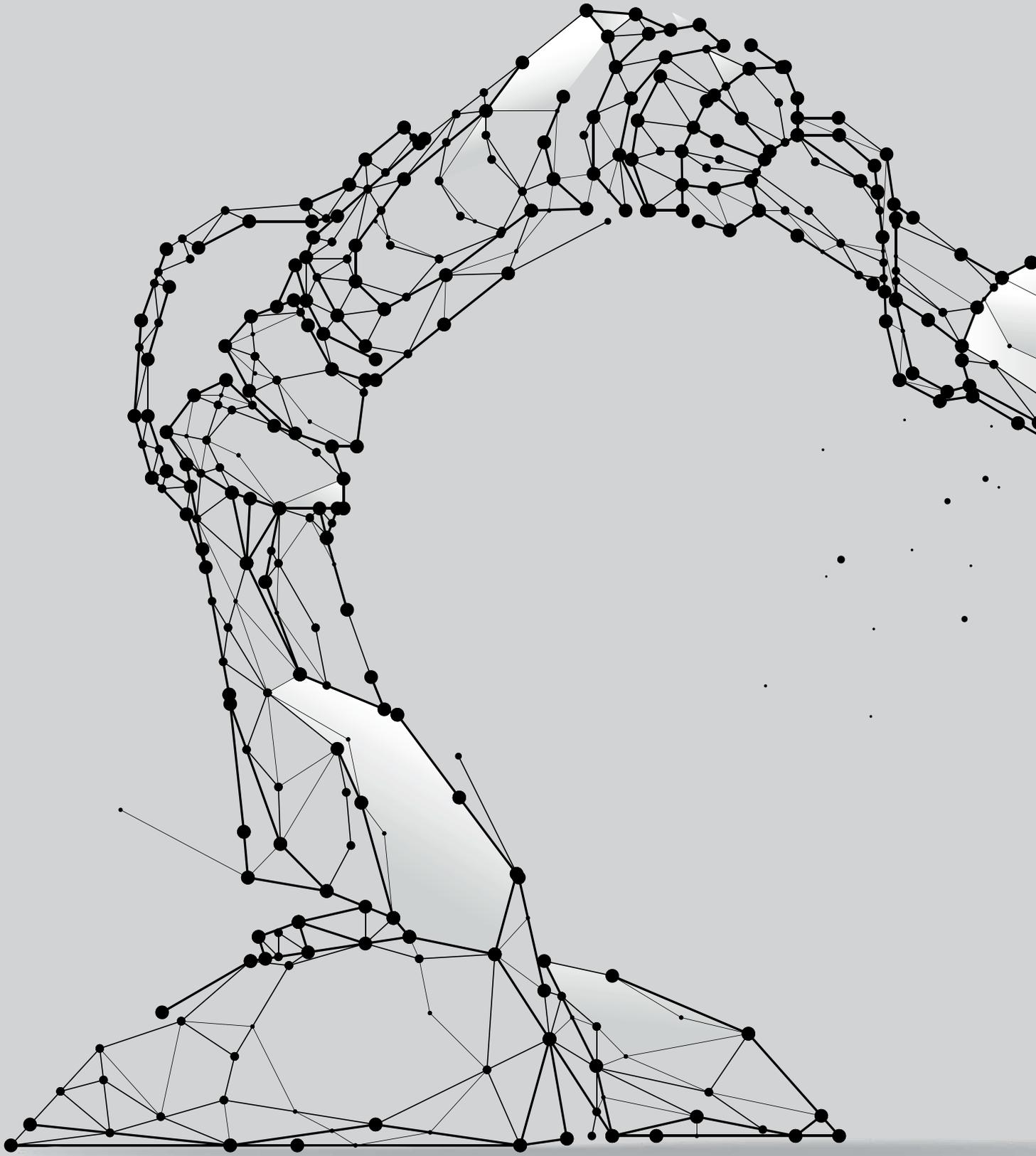




ROLLERI
ROBOTIC



English

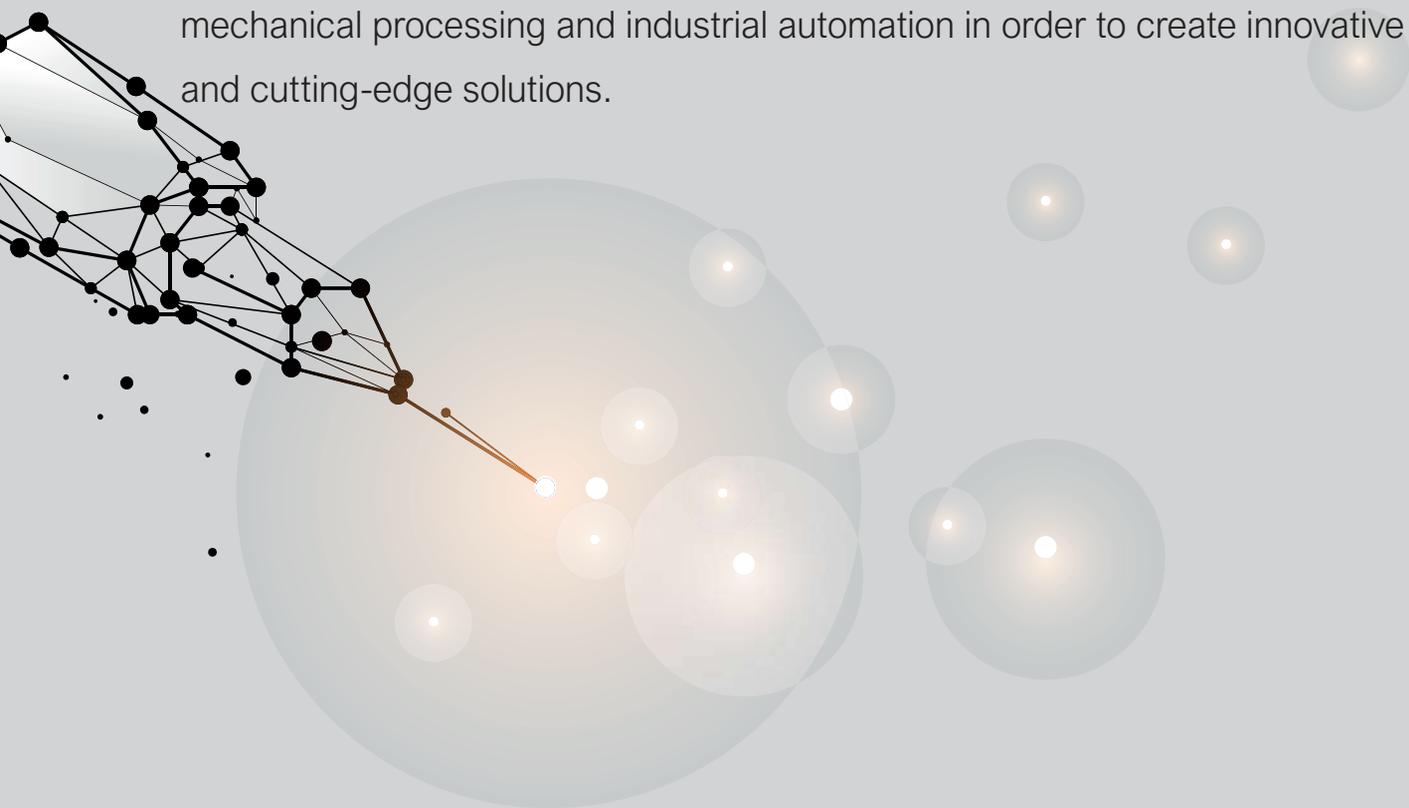


ROLLERI ROBOTIC

is set up thanks to the synergies of the companies of Rolleri Holding S.p.a.

Focus on automation, finding the correct balance between innovation and team involvement.

This is what Rolleri Holding S.p.a. has decided to do by setting up Rolleri Robotic, a division aiming at joining competences developed in the field of mechanical processing and industrial automation in order to create innovative and cutting-edge solutions.



Work becomes

COLLABORATIVE

COLLABORATIVE ROBOTS ease **AUTOMATION**
for small and medium-size companies too.

One of the biggest advantages of collaborative robots consists in being the perfect match between human abilities and robots.



COBOTIC C Line

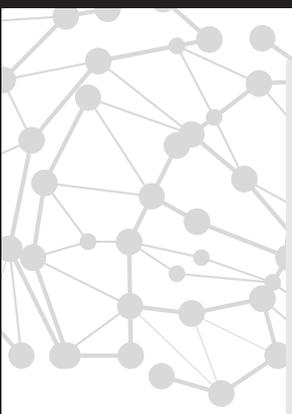
COBOTIC is a high-technology automation system:
new integration of **AUTOMATION** and artificial
intelligence supported by **simple use**.

The main objective of the COBOTIC series is the realization
of very advanced solutions but simple to use: it allows to
manage with simplicity even a complex production cycle,
since by changing the instrument of each individual arm,

a single cell can carry out different processes.

It has been designed by a team of experts who have solved
technical and practical issues thanks to collaborative
robot technology.





4.0 INDUSTRY

The whole ROLLERI ROBOTIC range is set-up for Industry 4.0

Industry 4.0 enables you to reach the best results and business targets. New challenges require the digitalization of manufacturing companies. Industry is facing new and rapidly changing challenges. Our resources are limited and everybody has to do more with less. Digitalization and automation are the turning points to face these challenges. It is fundamental to collect, analyse and use the huge quantity of data created.

COBOTIC REMOTE

Platform for remote support with smart glasses and tablet for direct and real-time interface with the robotic cell.

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening to prevent any future machine breakdown. When you wear the smart glasses, service technicians can intervene to solve any technical or mechanical problem of the robotic cell or any practical problem related to welding (or other) operation carried out. The robotic cell undergoes ongoing monitoring of all its components.

INTELLIGENT SYSTEM

No prior experience is needed to use these machines. Machines of COBOTIC line can move autonomously by setting a starting and a finishing point without any further programming activity by the operator. They also detect sheet metal deformations autonomously.

ENERGY SAVING DEVICE

All Cobic cells can be equipped with the ENERGY SAVING device which allows the creation of the vacuum necessary for the functioning of the fixing jigs only at the time of use, thus guaranteeing considerable energy savings.

Models of COBOTIC

Models of



100T

Robotic cell for
TIG WELDING



100C

Robotic cell for
CLEANING



100M

Robotic cell for
MIG WELDING



90M

Open cell for
MIG WELDING



90MC

Robotic cell for **WELDING**
AND CLEANING

100T Robotic cell for TIG WELDING

1. FUNCTIONS

Programming activity with COBOTIC 100 is extremely easy and suitable for small production batches too. The remarkable software developments allowed to simplify all programming activities with a significant reduction of programming time.



PRECISION +/- 0.03 mm

Cutting-edge technology thanks to the use of UR5e collaborative robot with 6 axes and 6 rotating DoF joints with +/-0.03mm precision and payload according to ISO 9283.

SHEET METAL TRACKING SYSTEM

By setting a starting and finishing point, COBOTIC 100T can move autonomously and detect sheet metal deformation without any programming activity by the operator.

SIMPLE USE

Operations are quick and easy thanks to the most important commands being positioned on the torch handle. The machine control interface it's really simple, buttons of program starting and stopping are really clear.

The touch screen control panel for programming and controlling the entire unit completes the equipment of COBOTIC 100.

2. EASY HANDLING

It is possible to configure and re-configure the layout of the production lines in an extremely agile way.

The robotic cell structure has been designed for easy handling by forklift or crane, as it is composed of a unique part easy to be moved.

The forklift forks must be at least 90cm wide.

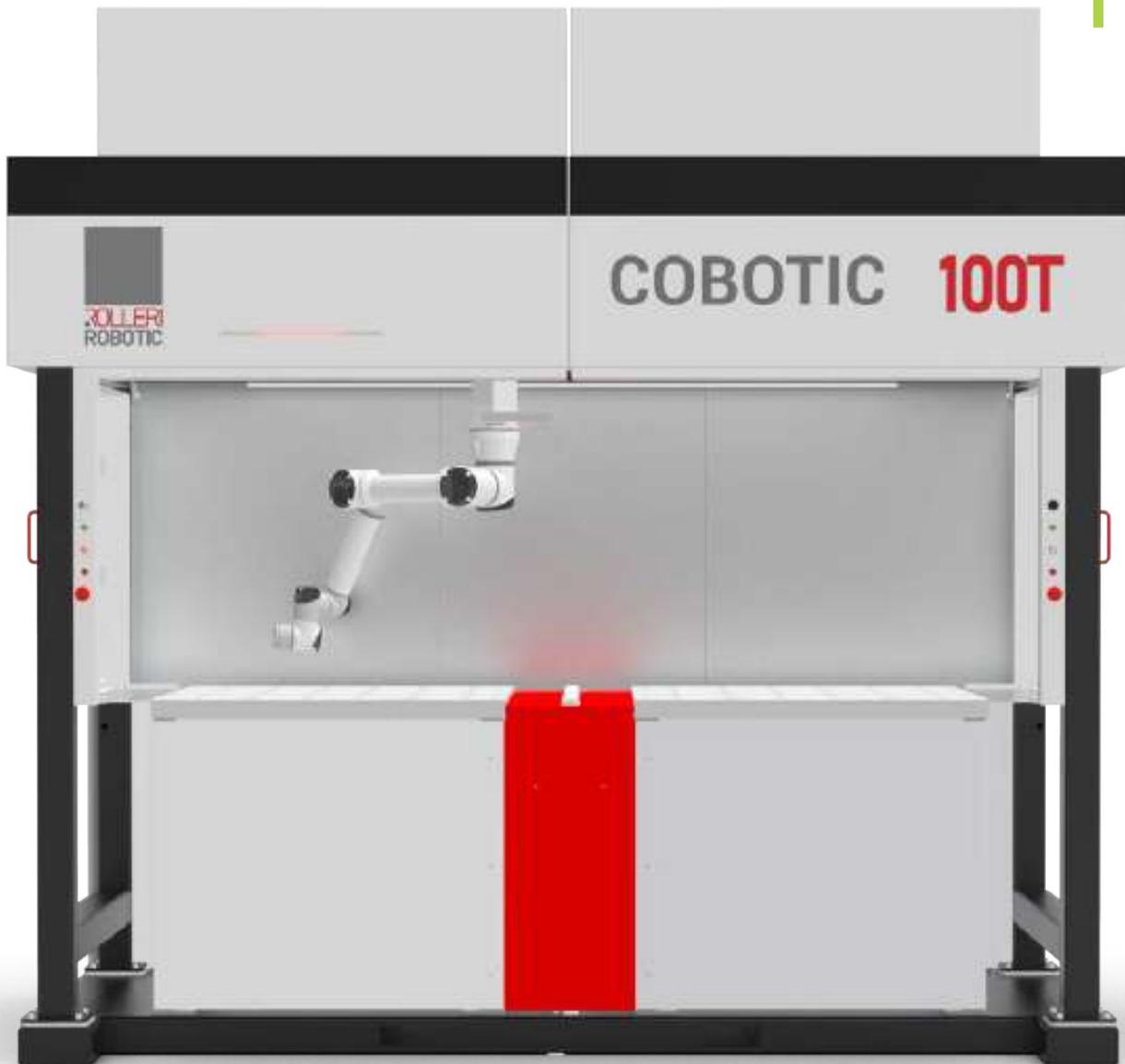
3. SAFETY

The robotic cell is completely safe thanks to automatic closing of all protection doors. Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.

Predisposed to guarantee a correct extraction of the fumes.

The robotic cell is completely safe thanks to automatic closing of all protection doors.

Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.



To guarantee the most sensitive parts of the cell there is a **double electrical panel with latest generation voltage rectifiers.**

COBOTIC 100T was born with an uninterruptible power supply to avoid sudden stops.

100T Robotic cell for TIG WELDING

4. TECHNOLOGY | PREDICTIVE SERVICE AND MAINTENANCE

COBOTIC REMOTE



Platform for remote support with smart glasses and tablet for direct and real-time interface with the robotic cell.

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening to prevent any future machine breakdown.

5. WORKING AREA

COBOTIC 100T is the first robotic cell for TIG welding with a working range of 2400 mm x 1200 mm. Alternatively, it is possible to work with 2 stations of 1200mm x 1200mm.

6. TECHNICAL FEATURES*



- N. 1 plug CEE 380V 16A four-pole (power absorption 10 kW)
- N. 1 compressed air connection with \varnothing 8mm hose
- Collaborative robot UR5e with 6 axes and 6 rotating DoF joints
- +/-0.03 mm precision. 900 mm arm range
- Maximum payload according to ISO 9283
- The system is fully integrated with TIG welding generator
- COBOTIC has 6 axis on the robot and a 7th axis 1800 mm. that works in synchrony and ensures maximum use of the robot arm, reducing the possibility of encumbrance
- No frequent maintenance required
- Vertical fume extraction systems with 2 or 4 cartridges with differentiated pressure modules
- Synchronised positioner for rotation of 360 pieces, to be applied to the workbench
- Possibility to weld with filler rod in a controlled way and with consumption control

*The company reserves the right to make partial or total changes to the technical specifications of the products.

COBOTIC 100 are the first robotic cells for TIG welding with a working range of 2400 mm x 1200 mm.



Alternatively, it is possible to work with 2 stations of 1200mm x 1200mm.

It is possible to create fully automatic working cycles with synchronized opening and closing of the protections for the loading and unloading of finished products.



Integrated tool and accessories holder drawer.



100C Robotic cell for **CLEANING**

1. FUNCTIONS

Improved ability to clean different shapes according to different surface finishing and material. With COBOTIC 100C programming activity is extremely easy and suitable for small production batches too. The remarkable software developments allowed to simplify all these activities with a significant reduction of programming time. Programming on proprietary platform. COBOTIC 100C can use pneumatic tools managed directly by the unit, including the possibility to use fast-change tools: **an actual fully automatic tool change.**

PRECISION ± 0.03 mm

Cutting-edge technology thanks to the use of UR5e collaborative robot with 6 axes and 6 rotating DoF joints with ± 0.03 mm precision and payload according to ISO 9283.

AUTOMATIC TOOL CHANGE

The Cobotic 100C has a built-in storage with 4 tools for different finishing needs. In addition to the tools of the standard equipment, we have a tool catalog with a wide range of models to be used on the cell.

SIMPLE USE

Operations are quick and easy thanks to the most important commands being positioned on head grip. The machine control interface it's really simple, buttons of program starting and stopping are really clear. The touch screen control panel for programming and controlling the entire unit completes the equipment of COBOTIC 100C.

2. **EASY HANDLING**

It is possible to configure and re-configure the layout of the production lines in an extremely agile way. The robotic cell structure has been designed for easy handling by forklift or crane, as it is composed of a unique part easy to be moved. The forklift forks must be at least 90cm wide.

3. **SAFETY**

The robotic cell is completely safe thanks to automatic closing of all protection doors. Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.

Predisposed to guarantee a correct dust extraction.

The robotic cell is completely safe thanks to automatic closing of all protection doors.

Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.



To guarantee the most sensitive parts of the cell there is a **double electrical panel with latest generation voltage rectifiers.**

COBOTIC was born with an uninterruptible power supply to avoid sudden stops.

100C Robotic cell for **CLEANING**

4. TECHNOLOGY | PREDICTIVE SERVICE AND MAINTENANCE

COBOTIC REMOTE



Platform for remote support with smart glasses and tablet for direct and real-time interface with the robotic cell.

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening to prevent any future machine breakdown.

5. WORKING AREA

COBOTIC 100C is the first robotic cell for deburring – polishing – with a working range of 2400 mm x 1200 mm. Alternatively, it is possible to work with 2 stations of 1200 mm x 1200 mm.

6. TECHNICAL FEATURES*



- N. 1 plug CEE 220V 16A (power absorption 600W)
- N. 1 compressed air connection with \varnothing 8mm hose
- Collaborative robot UR5e with 6 axes and 6 rotating DoF joints
- +/-0.03mm precision. 900 mm arm range
- Maximum payload according to ISO 9283
- Cobotic 100C is the smart cell with automatic tool change: one working tool and 4 in storage. Thanks to the simplicity of the software is possible to optimize the use of different tools and keep the wear monitored
- COBOTIC has 6 axis on the robot and a 7th axis 1800 mm. that works in synchrony and ensures maximum use of the robot arm, reducing the possibility of encumbrance
- No frequent maintenance required
- Vertical fume extraction systems with 2 or 4 cartridges with differentiated pressure modules
- Synchronised positioner for rotation of 360 pieces, to be applied to the workbench
- Catalogue with a wide range of tools for use on the quick coupling system.

*The company reserves the right to make partial or total changes to the technical specifications of the products.



At 00.20 you can see **tool change process**, whereby the cobot can leave and take a tool according to operator's needs. Four tools are available in a tool rack and one tool is in use.

COBOTIC 100 are the first robotic cells with a working range of 2400 mm x 1200 mm.



Alternatively, it is possible to work with 2 stations of 1200mm x 1200mm.

It is possible to create fully automatic working cycles with synchronized opening and closing of the protections for the loading and unloading of finished products.



Integrated tool and accessories holder drawer.



100M Robotic cell for MIG WELDING

1. FUNCTIONS

MIG welding with robotic cell COBOTIC 100M.

Programming on proprietary platform. With COBOTIC 100M programming activity is extremely easy and suitable for small production batches too. The remarkable software developments allowed to simplify all programming activities with a significant reduction of programming time.



PRECISION ± 0.03 mm

Cuttin-edge technology thanks to the use of UR5e collaborative robot with 6 axes and 6 rotating DoF joints with ± 0.03 mm precision and payload according to ISO 9283

SIMPLE USE

Operations are quick and easy thanks to the most important commands being positioned on the torch handle. The machine control interface it's really simple, buttons of program starting and stopping are really clear.

The touch screen control panel for programming and controlling the entire unit completes the equipment of COBOTIC 100M.

2. EASY HANDLING

It is possible to configure and re-configure the layout of the production lines in an extremely agile way.

The robotic cell structure has been designed for easy handling by forklift or crane, as it is composed of a unique part easy to be moved.

The forklift forks must be at least 90cm wide.

3. SAFETY

The robotic cell is completely safe thanks to automatic closing of all protection doors. Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.

Predisposed to guarantee a correct extraction of the fumes.

The robotic cell is completely safe thanks to automatic closing of all protection doors.

Furthermore, the cell is equipped with many advanced adjustable safety devices, including the continuous monitoring of robot elbow.



To guarantee the most sensitive parts of the cell there is a **double electrical panel with latest generation voltage rectifiers.**

COBOTIC was born with an uninterruptible power supply to avoid sudden stops.

100M Robotic cell for MIG WELDING

4. TECHNOLOGY | PREDICTIVE SERVICE AND MAINTENANCE

DATA CLOUD



COBOTIC 100M is equipped with a computer connected to web platform cloud.

The machine is connected to the internet through the company network or through a mobile wireless connection that makes it extremely robust against cyber attacks.

COBOTIC REMOTE



Platform for remote support with smart glasses and tablet for direct and real-time interface with the robotic cell.

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening to prevent any future machine breakdown.

5. WORKING AREA

COBOTIC 100M is the first robotic cell for MIG welding with a working range of 2400 mm x 1200 mm. Alternatively, it is possible to work with 2 stations of 1200mm x 1200mm. Increased working height.



6. TECHNICAL FEATURES*

- N. 1 plug CEE 380V 16A four-pole (power absorption 13.3 kW)
- N. 1 compressed air connection with \varnothing 8mm hose
- Collaborative robot UR5e with 6 axes and 6 rotating DoF joints
- +/-0.03 mm precision. 900 mm arm range
- Maximum payload according to ISO 9283
- The system is fully integrated with MIG welding generator
- The welder has a cooling system in order to guarantee 24/7 working
- COBOTIC has 6 axis on the robot and a 7th axis 1800 mm. that works in synchrony and ensures maximum use of the robot arm, reducing the possibility of encumbrance
- No frequent maintenance required
- Vertical fume extraction systems with 2 or 4 cartridges with differentiated pressure modules
- Synchronised positioner for rotation of 360 pieces, to be applied to the workbench

*The company reserves the right to make partial or total changes to the technical specifications of the products.

Rolleri Robotic - Cobotic 100M
COBOTIC 100 are the first robotic
cells for MIG welding with a working
range of 2400 mm x 1200 mm.



Alternatively, it is possible to work
with 2 stations of 1200mm x
1200mm.
Increased working height.



**It is possible to create fully
automatic working cycles** with
synchronized opening and closing of
the protections for the loading and
unloading of finished products.



Integrated tool and
accessories holder drawer.



90M

Open cell for **MIG** welding

1. FUNCTIONS

MIG welding – wire welding with robotic cell COBOTIC 90M.

Programming on proprietary platform. With COBOTIC 90M programming activity is extremely easy and suitable for small production batches too. The remarkable software developments allowed to simplify all programming activities with a significant reduction of programming time.



PRECISION +/- 0.1 mm

Cutting-edge technology thanks to the use of UR10e collaborative robot with 6 axes and 6 rotating DoF joints with +/-0.1 mm precision and payload according to ISO 9283.

SIMPLE USE

Operations are quick and easy thanks to the most important commands being positioned on the torch handle. The machine control interface it's really simple, buttons of program starting and stopping are really clear. The touch screen control panel for programming and controlling the entire unit completes the equipment of COBOTIC 90M. It is possible to set the starting point and the end point of the path but also to point the sheet metal through an extremely intuitive and fast command.

2. EASY HANDLING

It is possible to configure and re-configure the layout of the production lines within the production area in an extremely agile way.

The following system can be used for unloading and positioning the machine:

Pick-up point with forklift.

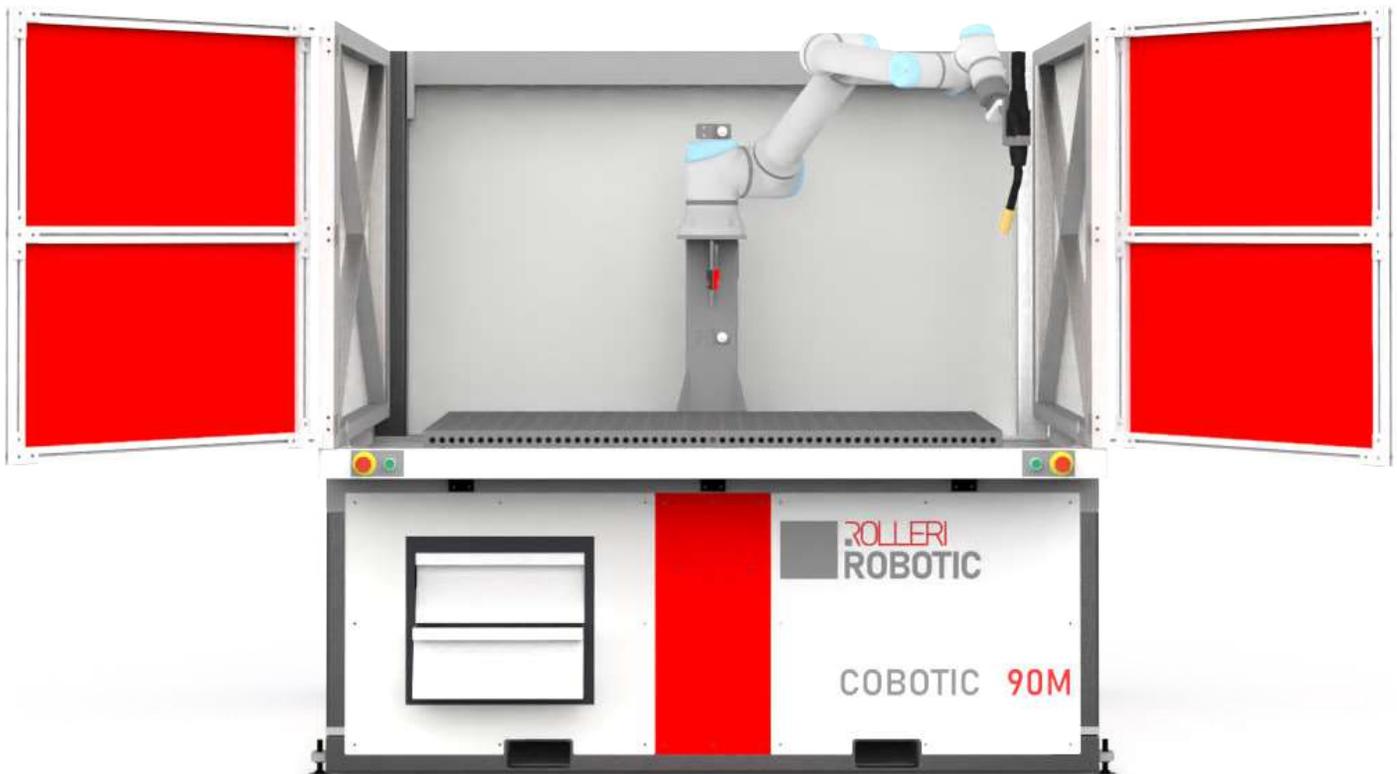
3. SAFETY

The unit is protected by continuous monitoring of the "elbow" of the robot.

Predisposed to guarantee a correct extraction of the fumes.

Continuous monitoring of the "elbow" of the robot.

Predisposed to guarantee a correct extraction of the fumes.



To guarantee the most sensitive parts of the cell there is a **double electrical panel with latest generation voltage rectifiers.**

90M

Open cell for **MIG** welding

5. WORKING AREA

COBOTIC 90M is a robotic open cell for MIG welding with a working range of 2000 mm x 1000 mm.

UR10e collaborative robot with 12.5 kg payload and 1300 mm working radius, which allows a large working range without losing accuracy or workloads.

Double side opening for machining bulky pieces with the possibility of loading and supporting by means of a lifting device.

6. TECHNICAL FEATURES*



- N.1 pneumatic connection operating pressure not lower than 7 bar consumption 10MI/min (the cell is equipped with standard quick connection AT023401 PROF. GERMANY MALE 1/4)
- MIG welding torch diameter 0.6 suitable for stainless steel machining.
- N. 1 industrial standard male 400VAC 16A 3P+N 50HZ connection. - ABSORPTION: 10.4 KW
- N. 1 industrial standard 230VAC 50HZ 2P+E male connection. - ABSORPTION: 1.5 KW
- N.1 connections for 100mm diameter hoses. - ABSORPTION: 2000 m3/h
- N.1 Fitting for pipes with a diameter of 9mm or 11.5mm and mixture suitable for the type of welding.

*The company reserves the right to make partial or total changes to the technical specifications of the products.

COBOTIC 90M has a working area of 2000 mm x 1000 mm.



Integrated tool and accessories holder drawer.



90MC

Cell for **WELDING** and **CLEANING**

1. FUNCTIONS

MIG welding – wire welding and CLEANING with robotic cell COBOTIC 90MC.

With COBOTIC 90MC programming activity is extremely easy and suitable for small production batches too. The remarkable software developments allowed to simplify all programming activities with a significant reduction of time. Programmin on proprietary platform. COBOTIC 90MC can use pneumatic tools managed directly by the unit, including the possibility to use fast-change tools: **an actual fully automatic tool change.**



PRECISION +/- 0.1 mm

Cutting-edge technology thanks to the use of UR10e collaborative robot with 6 axes and 6 rotating DoF joints with +/-0.1 mm precision and payload according to ISO 9283.

AUTOMATIC TOOL CHANGE

The Cobot 90MC has a magazine with 4 tools for different finishing needs. In addition to the tools of the standard equipment, we have a tool catalog with a wide range of models to be used on the cell.

SIMPLE USE

Operations are quick and easy thanks to the most important commands being positioned on the torch handle. The machine control interface it's really simple, buttons of program starting and stopping are really clear. The touch screen control panel for programming and controlling the entire unit completes the equipment of COBOTIC 90MC. It is possible to set the starting point and the end point of the path but also to point the sheet metal through an extremely intuitive and fast command.

2. EASY HANDLING

It is possible to configure and re-configure the layout of the production lines within the production area in an extremely agile way.

The following system can be used for unloading and positioning the machine:

Pick-up point with forklift.

Continuous monitoring of the “elbow”
of the robot.



Predisposed to guarantee a
correct extraction of the fumes.



90MC

Cell for **WELDING** and **CLEANING**

3. SAFETY

The unit is protected by continuous monitoring of the “elbow” of the robot.
Predisposed to guarantee a correct extraction of the fumes.

5. WORKING AREA

COBOTIC 90MC is a robotic open cell for MIG welding with a working range of 2000 mm x 1000 mm.
UR10e collaborative robot with 12.5 kg payload and 1300 mm working radius, which allows a large working range without losing accuracy or workloads.

6. TECHNICAL FEATURES*



- N.1 pneumatic connection operating pressure not lower than 7 bar consumption 10Ml/min (the cell is equipped with standard quick connection AT023401 PROF. GERMANY MALE 1/4)
- MIG welding torch diameter 0.6 suitable for stainless steel machining.
- N. 1 industrial standard male 400VAC 16A 3P+N 50HZ connection. - ABSORPTION: 10.4 KW
- N. 1 industrial standard 230VAC 50HZ 2P+E male connection. - ABSORPTION: 1.5 KW
- N.1 connections for 100mm diameter hoses. - ABSORPTION: 2000 m3/h
- N.1 Fitting for pipes with a diameter of 9mm or 11.5mm and mixture suitable for the type of welding.

*The company reserves the right to make partial or total changes to the technical specifications of the products.

COBOTIC 90MC has a working area of 2000 mm x 1000 mm.



Integrated tool and accessories holder drawer.



SERVICE AND TRAINING

Our assistance and training support is guaranteed by a series of dedicated software and hardware tools.

TRAINING

In order to ensure maximum productivity of the systems that we design, our offer includes training sessions for our customers' operators.

The lessons can be held in person or remotely, at the customer's premises or at our offices.

+ operator

+ programmer

+ maintenance technician

COBOTIC REMOTE

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening remotely for any kind of problem, mechanical or software. Traditional telephone support will be a point of contact always available to our customers.

PROGRAMMING, WELDING JIGS, CONSULTING

Production of welding jigs with robotic cells and production programming of the line.

- Production of pneumatic masks, which allow the operator to use the predisposition already present on the cell to replicate a batch of pieces.
- Perforated table for preparing manual brackets.

NO ORGANIZATION CHANGE

No need to worry about staff training for the production of welding jigs and for the preparation of the programs for the COBOTIC cells.

No need to worry about new hardware and software complexities, just concentrate on the production and on the customer satisfaction.

RAPIDITY

With a quick audit, even remotely, we will collect your information and by receiving the cad file of the piece you have to produce and we will perform the simulations of the production cycle.

In order to maximize the productivity of your unit, the necessary welding jigs and production programs can be produced on request.

ADDITIVE

In addition to metal jigs, we can design, produce and supply accessories made with additive production, for example 3D printing, required for special processing.

STAY UP TO DATE

Subscribe to our newsletter to be always up to date on the news of the series COBOTIC.



Scan the QRCode and sign up!

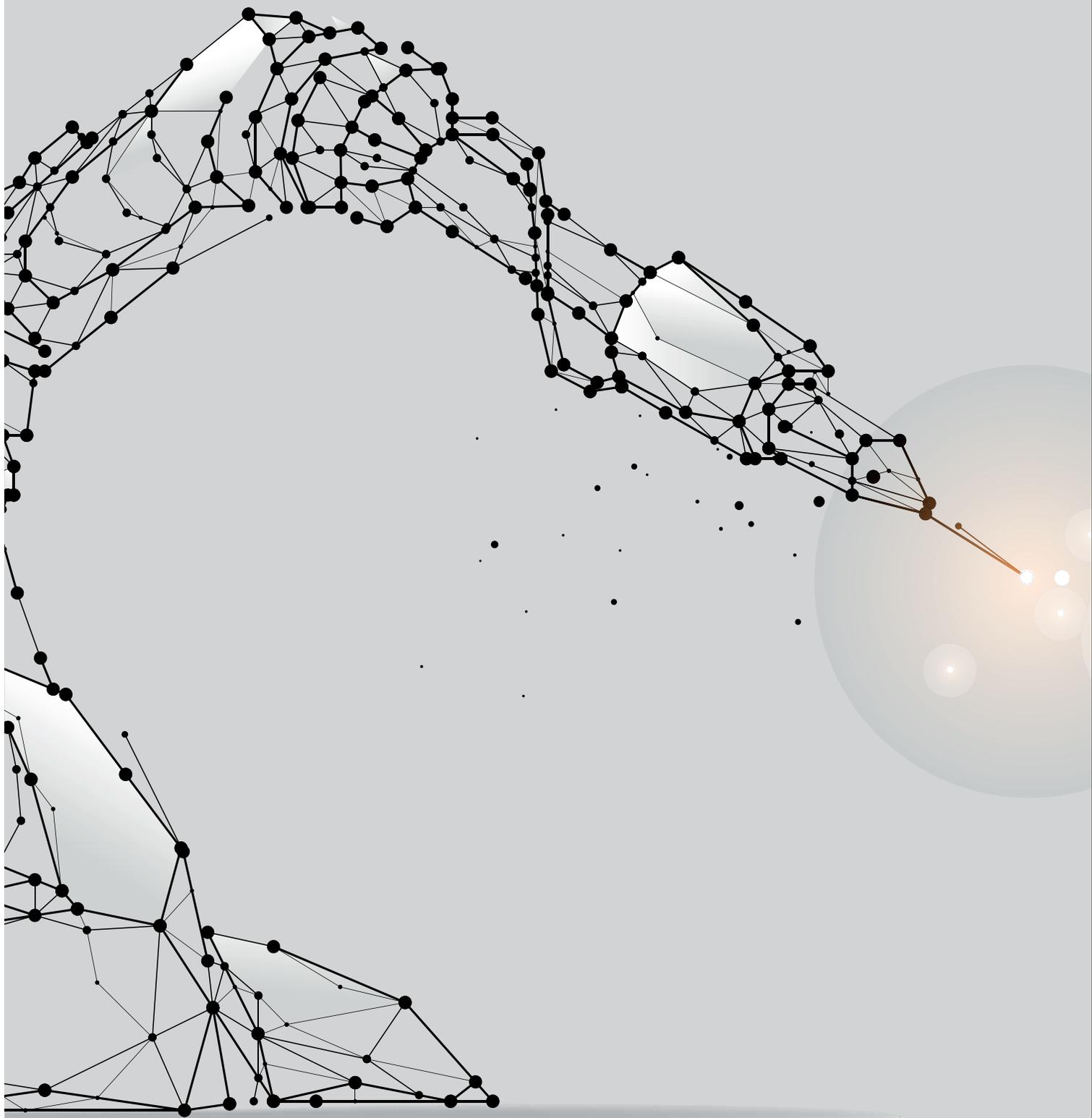
Are you interested in products of COBOTIC line or do you need further information?
Contact our experts.



Rolleri Robotic
Via Artigiani Loc. Cabina – 29020
Vigolzone (PC), Italia



Tel: +39 0523 870905
Email: info@rollerirobotic.com





Via Artigiani - Loc. Cabina - 29020
Vigolzone (PC), Italia
+39 0523 870905
info@rollerirobotic.com
www.rollerirobotic.com



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