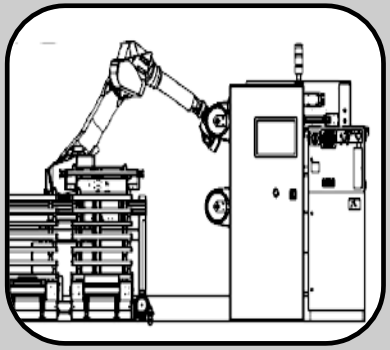
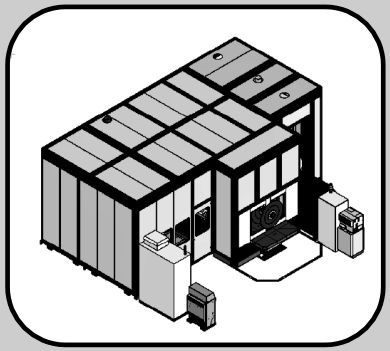
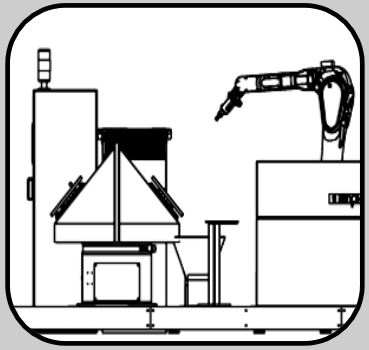
ARCOS

Automation of industrial applications







Reliable and Innovative Technology

Since 1965

MILES STONES :

- **1965** foundation of the company as distributor of abrasive tools
- **1967** first grinding and polishing manual machines
- **1978** first automatic machines for surface finishing
- **1998** first robotic cell for polishing and robotic automation

SYSTEMS AND TECHNOLOGY FOR SURFACE FINISHING
Since 1965

ARCOS was established in 1965

in the field of surface finishing, and has produced a wide range of equipment and systems for various Industrial applications:
Our Core Competencies are:

- Design and implementation of automation robotic systems
- Design and implementation of automation robotic systems.
- Customized equipment.
- Robotic software development.
- Robotic automation in production line.
- Any surface finishing process like grinding, polishing, milling, cutting operations.

WITH THE INTRODUCTION OF ROBOT, ARCOS

spreads its interests into TWO main businesses:

1) Automation Technology.

2) Robotic Surface Finishing Technology

KEY DESIGN PARAMETERS

Arcos has established best practices in Robotic equipment design:

- Mature System Design Principles.
- Software Design for Accuracy and User-Friendliness.
- World-Class Suppliers of Components.
- Reliability.
- Commissioning and After Sale Service are carried on by an expert Team to ensure that the customer realizes expected benefits.

ARCOS SKILLS

- Experience.
- Professionalism.
- Know How.
- R+D.
- Flexibility.
- Technical Support Service.

KNOW HOW

- Human Machine Interface (HMI) which manages statistics, diagnostics, production data of the cell;
- ProfiNET System which allows any kind of connections between the working units and the other devices of the cell;
- User Friendly Software to make the management of equipment easier;

- Remote management system;
- Variable physical parameters via HMI (speed, force);
- Pneumatic and electronic system to control the pressure in the working area;
- System of tool wear recovery;
- Automatic feeders for polishing compound (solid and liquid);
- And many others

RESEARCH & DEVELOPMENT

The current tendency to use more technological and flexible industrial systems, which are able to satisfy every single necessity of the customers, encouraged ARCOS to invest in human resources and materials in order to improve its technology.

FLEXIBILITY

Starting from the design and the construction of equipment able to manage any kind of products of different sizes up to the solution of the possible problems which can occur during the use, ARCOS can adapt to every needs of the customers, offering a professional team of experts which will always be at disposal to answer to any kind of request as fast as possible.

TECHNICAL SUPPORT SERVICE

Every commercial and technical assistance must be **fast** and **resolutive**. This is the reason why ARCOS tries to make its best to help the customers thanks to its internal team of assistence which can operate, depending of the needs of the customers, as follows:

- By telephone
- By connecting the machine with the modem;
- Acting directly at Customer's company.

In addition, ARCOS supplies components of the best brands (as FANUC, SIEMENS, FESTO, SKF and others) and equips its machines with ProfiNET System which is useful to recognize each anomaly and to suggest the best solution.

ARCOS REFERENCE LIST

About 500 equipment installed all over the world: Aerospace and Automotive plants.

ITALY:

- FERRARI
- FIAT (FCA)
- EMARC
- DAINESE
- BERETTA
- SAPES
- GP TECNICA
- SK WELLMAN

ARCOS REFERENCE LIST

ITALY:

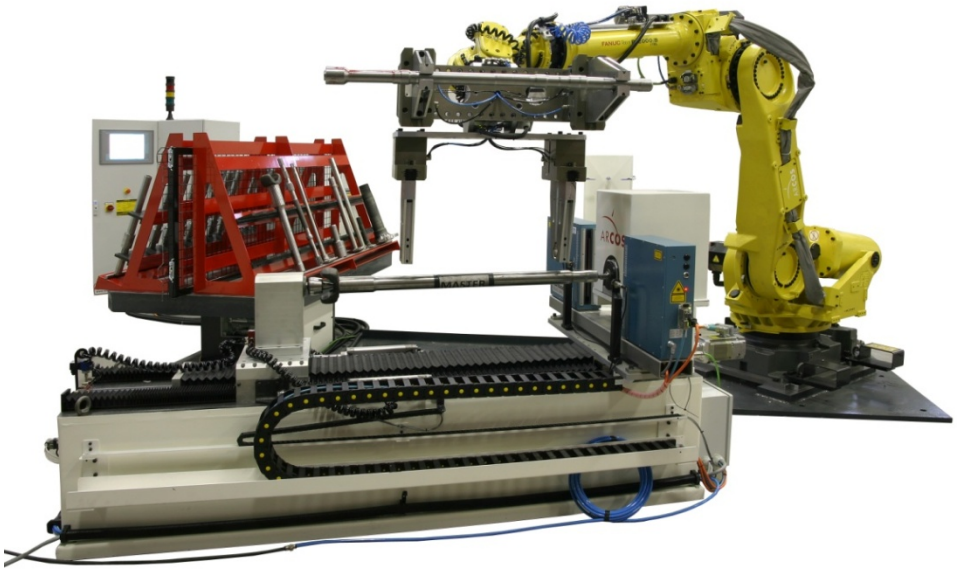
- ZEPTER
- GLOBAL
- SANDVIK
- APPARATEBAU
- BREMBO (automotive)
- RCMP
- PRECICAST

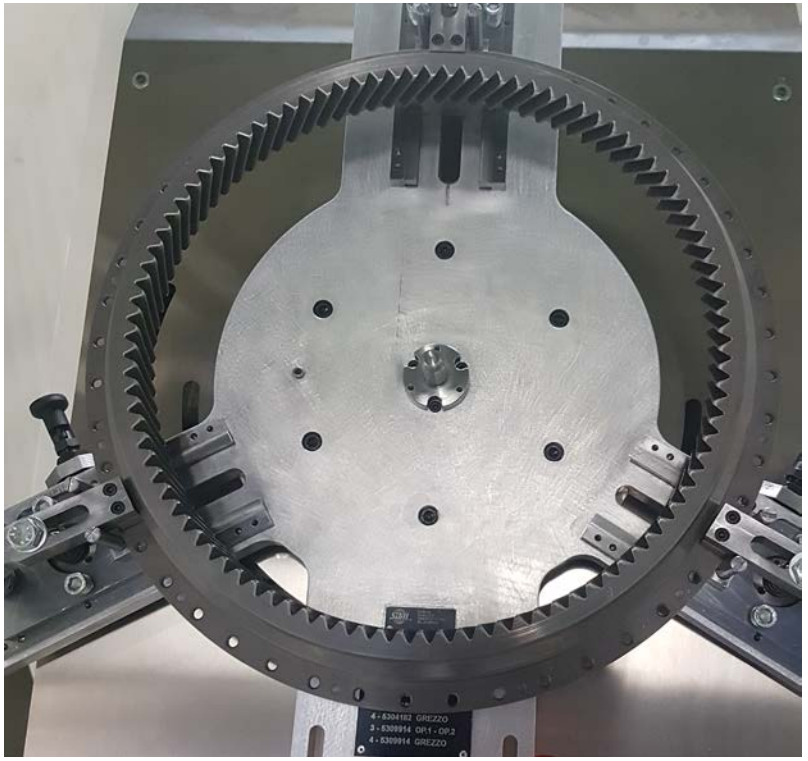
ARCOS REFERENCE LIST

FOREIGN COUNTRY:

- RR Aerospace
- RR Nuclear
- RR Italy
- General Electric
- AETC (PCC Group)
- DeeZee
- AVIC
- TATA
- TECOMET (SIMMETRY)
- SNECMA

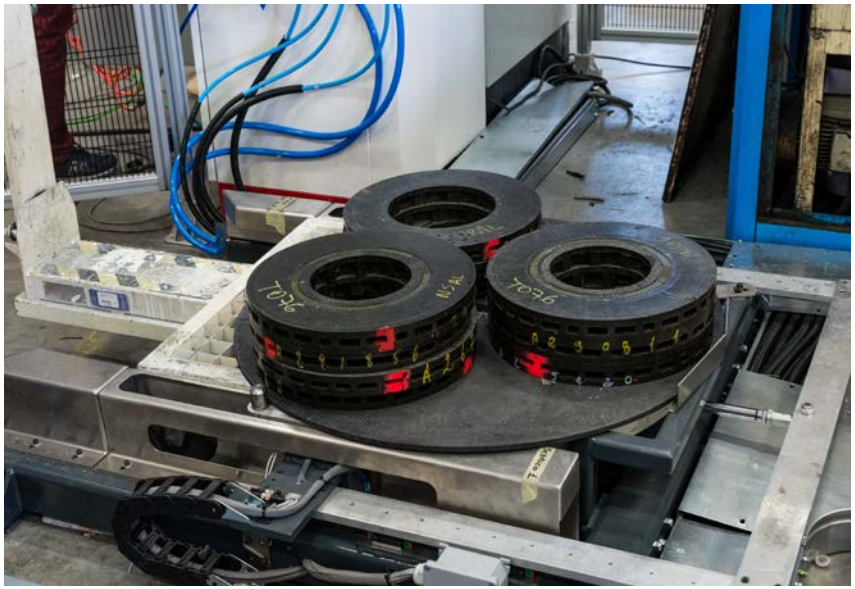
AUTOMATION FOR MACHINE TOOLS AND PRODUCTION PROCESSES



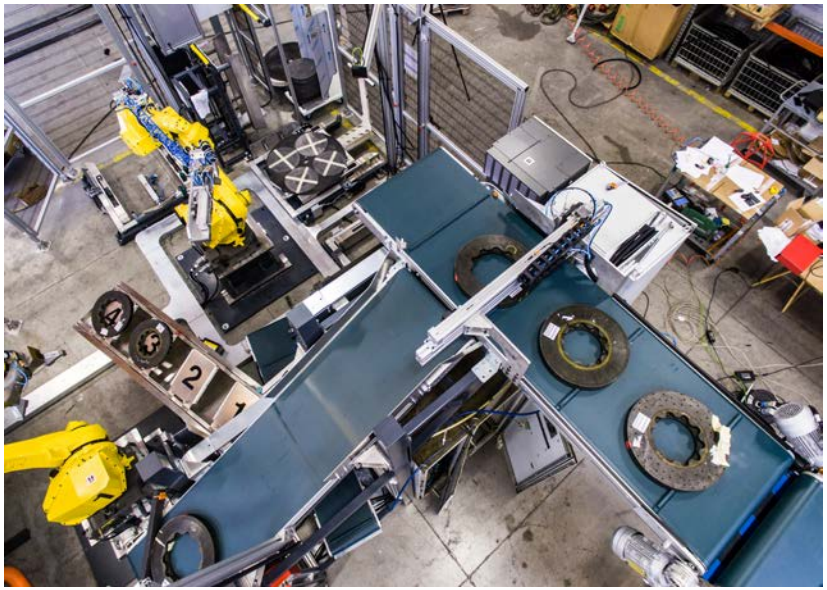


ARCOS S.R.L. Via Leonardo Da Vinci,15/C-25064 Gussago (BS) ITALY Ph: +39.030.3739091 www.arcossrl.com e-mail: info@arcossrl.com

AUTOMATION SYSTEMS AND TECHNOLOGY



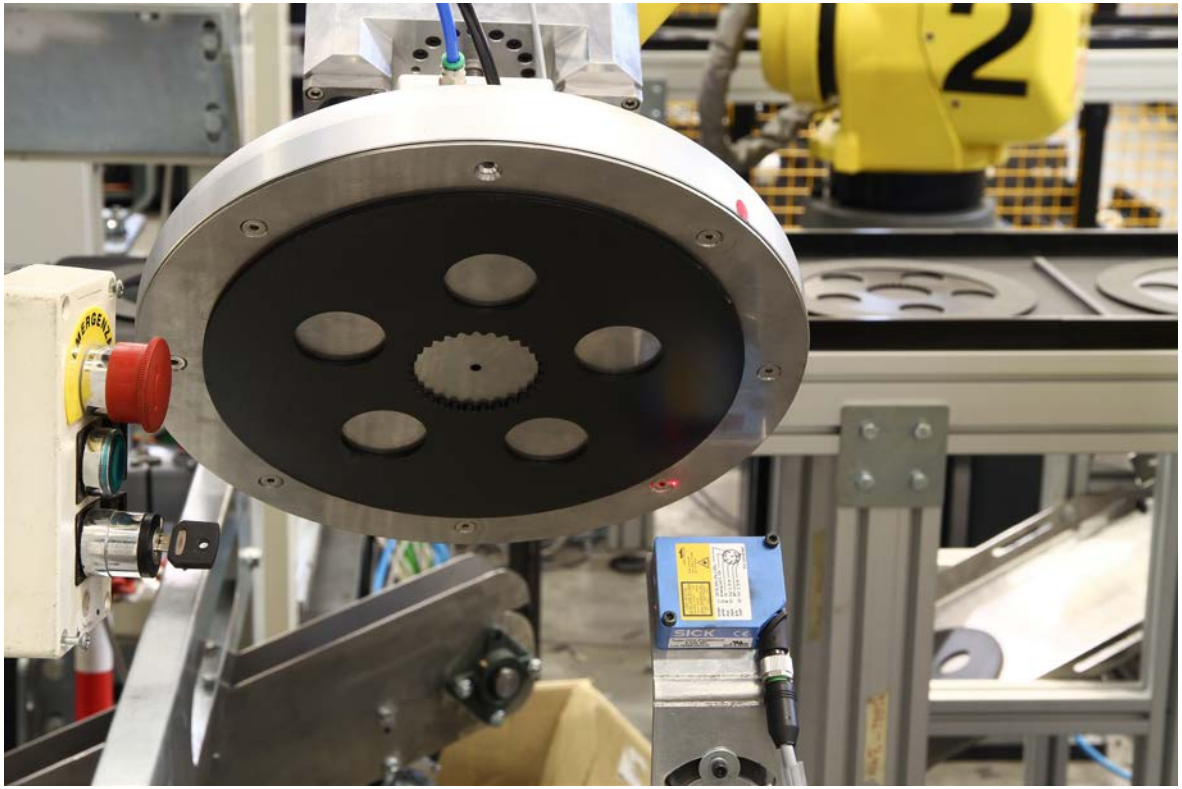
Brakes palletizing



Conveyor belt with check sensors to get the right position of the item

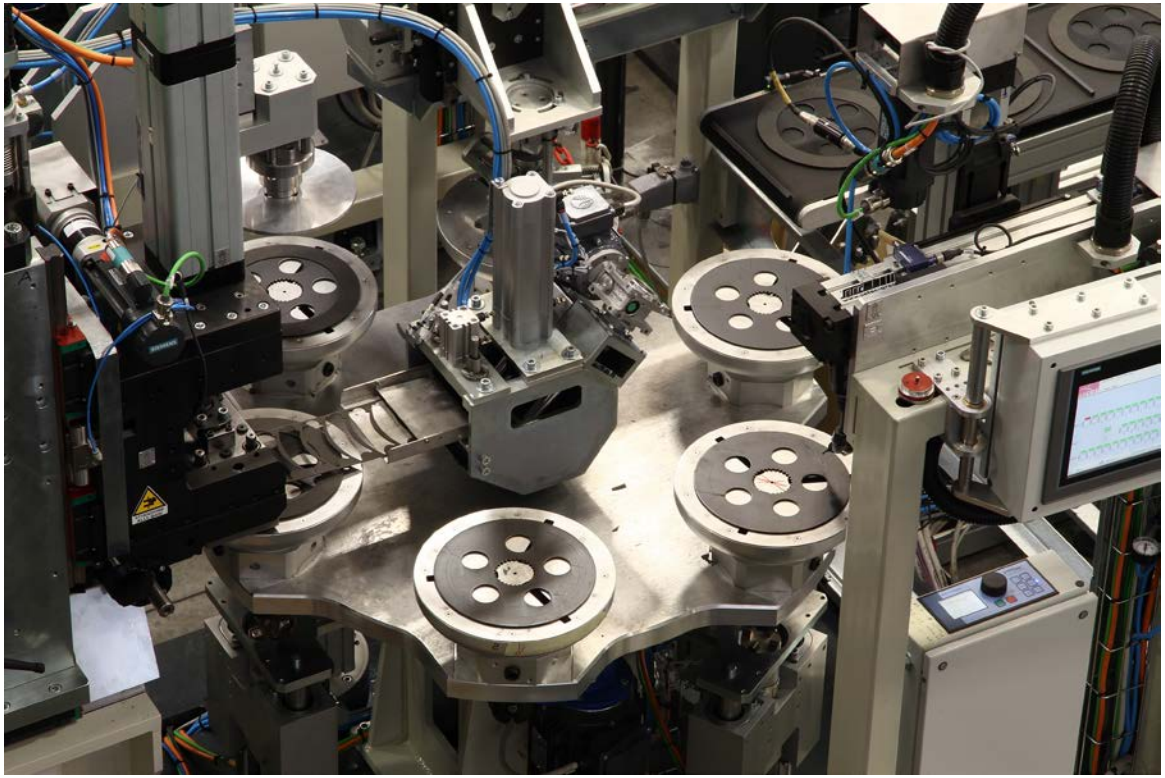
AUTOMATION SYSTEMS AND TECHNOLOGY

Checking item by laser sensor SICK



AUTOMATION SYSTEMS AND TECHNOLOGY

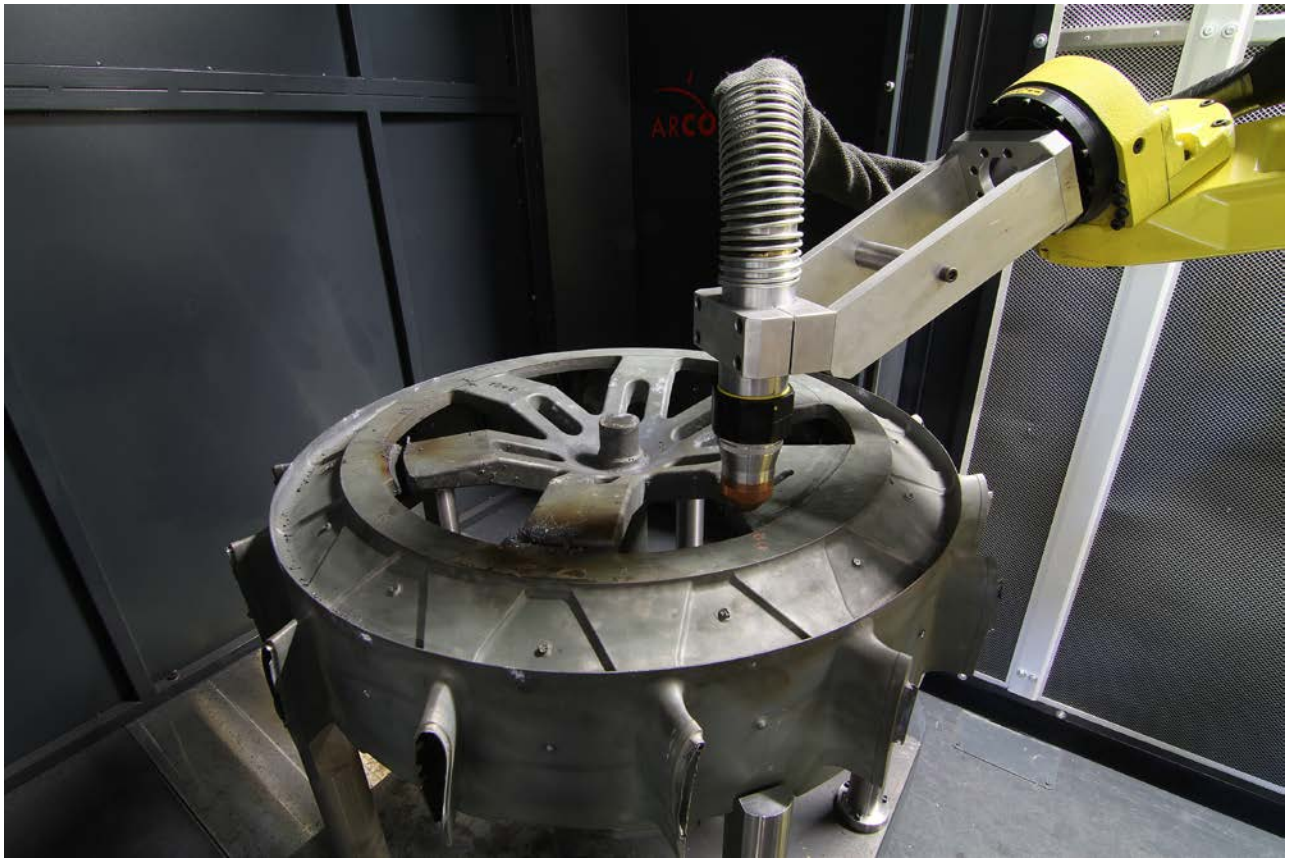
Automation for taking and untaking the item



ARCOS S.R.L. Via Leonardo Da Vinci,15/C-25064 Gussago (BS) ITALY Ph: +39.030.3739091 www.arcossrl.com e-mail: info@arcossrl.com

AUTOMATION SYSTEMS AND TECHNOLOGY

Plasma Cutting



ARCOS S.R.L. Via Leonardo Da Vinci,15/C-25064 Gussago (BS) ITALY Ph: +39.030.3739091 www.arcossrl.com e-mail: info@arcossrl.com

AUTOMATION SYSTEMS AND TECHNOLOGY

HMI : Human Machine Interface with touch panel to manage all parameters of the automation for the plant

THANK YOU

ARCOS S.R.L. Via Leonardo Da Vinci,15/C-25064 Gussago (BS) ITALY Ph: +39.030.3739091 www.arcossrl.com e-mail: info@arcossrl.com