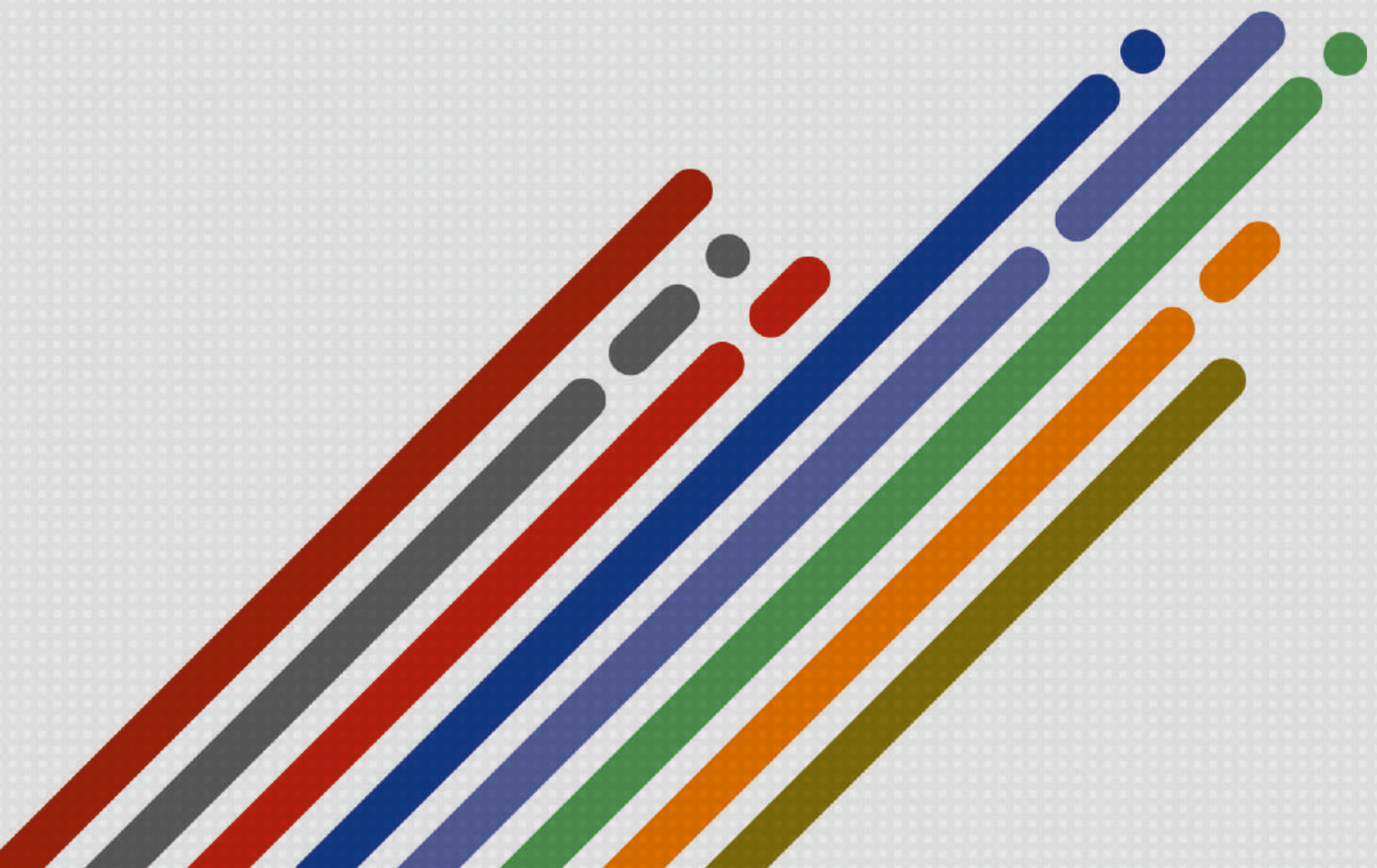




Look Ahead!

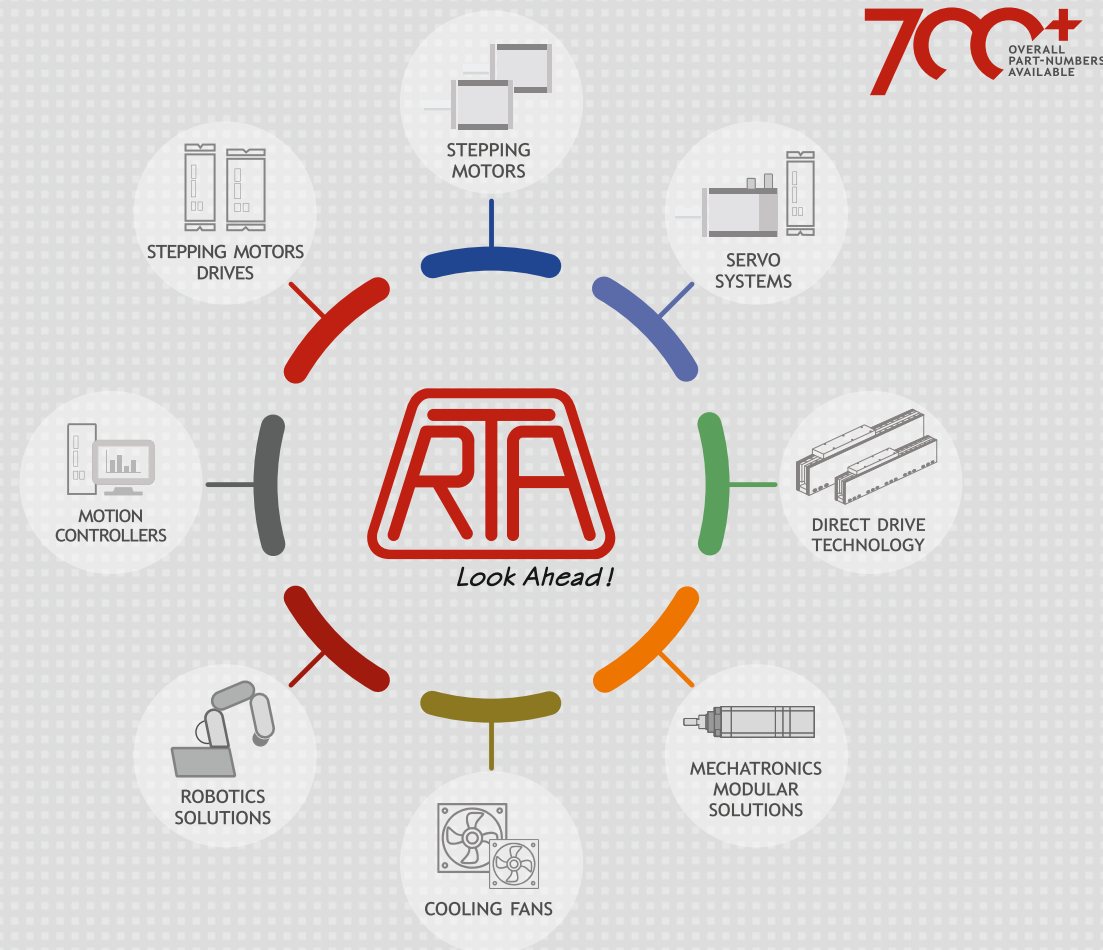
COMPANY PROFILE



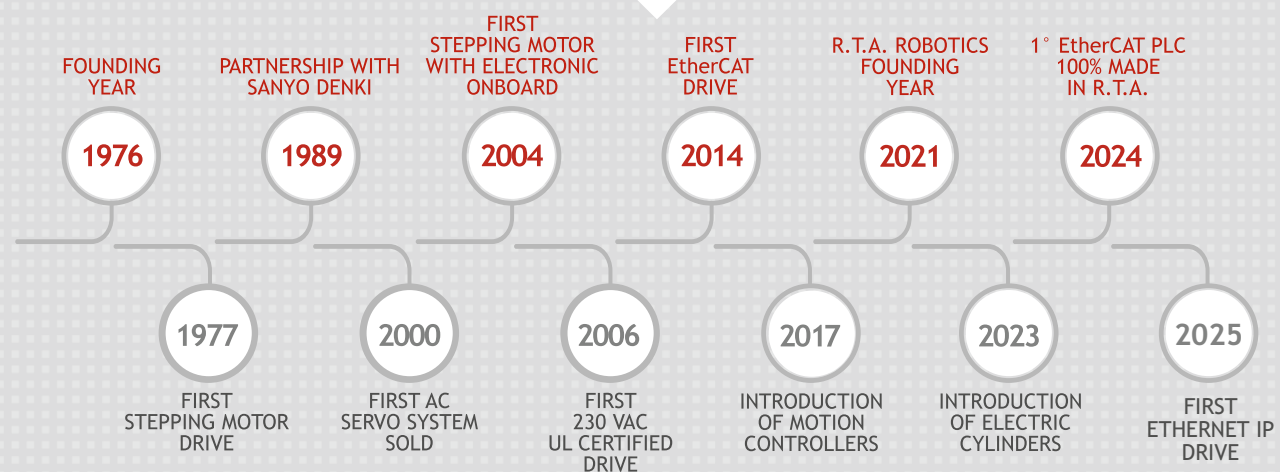
R.T.A. GROUP TODAY

Founded in 1976 in Pavia (Italy), today R.T.A. is a leading player in the Industrial Automation field, with a core excellence in the design and production of stepping motor systems, supported by highly specialized technical expertise in all motion technologies.

Over the last decade, through technical innovation and strategic partnerships, R.T.A. has diversified its product portfolio to meet evolving market trends and today the company offers a Complete Integrated Automation Solution, addressed to OEMs and manufacturers in the most diverse industrial sectors.



MILESTONES IN R.T.A. TECHNOLOGICAL EVOLUTION

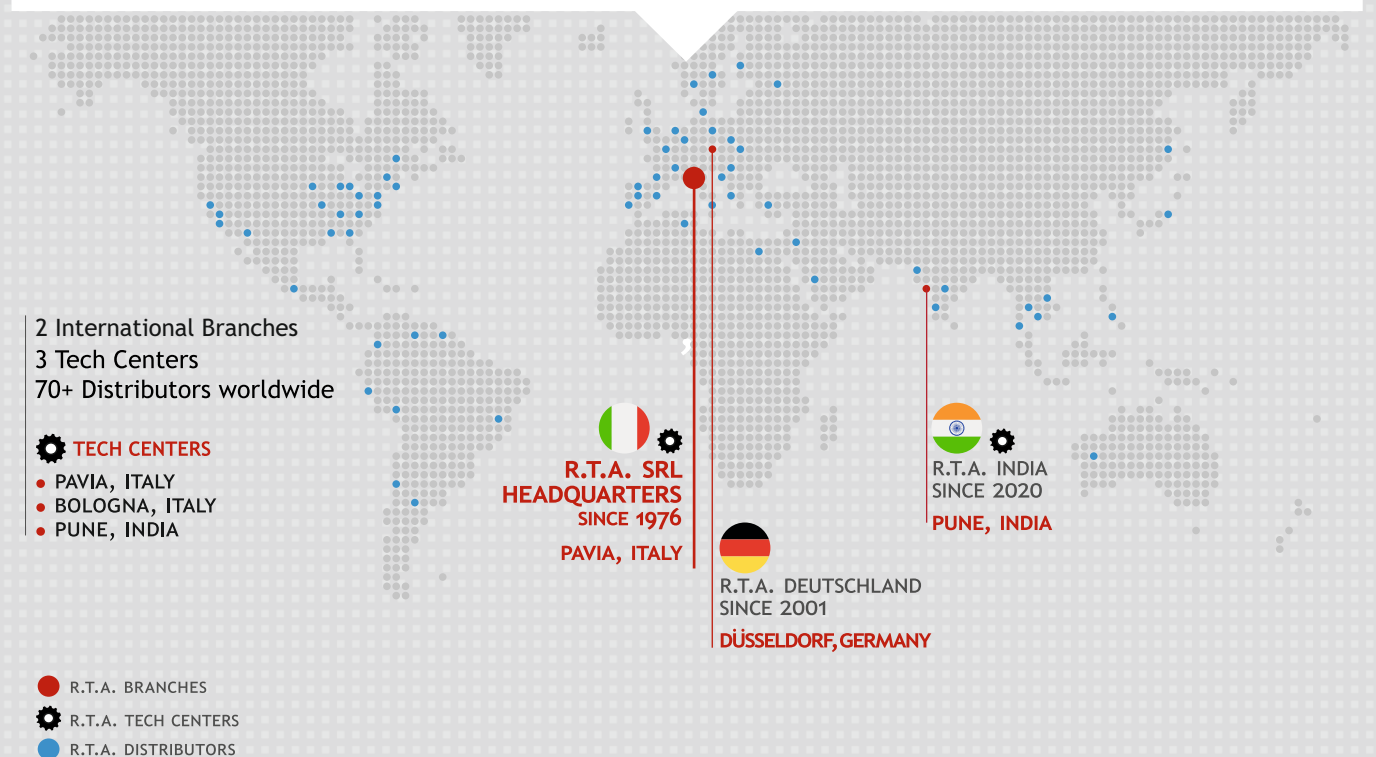


A GOOD PLACE TO BE



A modern, bright and spacious site surrounded by a 10.000 smq garden.

ITALIAN ROOTS, GLOBAL PRESENCE



EDUCATIONAL PARTNERSHIPS

UNIVERSITÀ DI PAVIA

Technical consulting and partnership on automation and robotics applications.

I.T.S. LOMBARDIA meccatronica

Internships, trainings and career opportunities for students in technical disciplines.

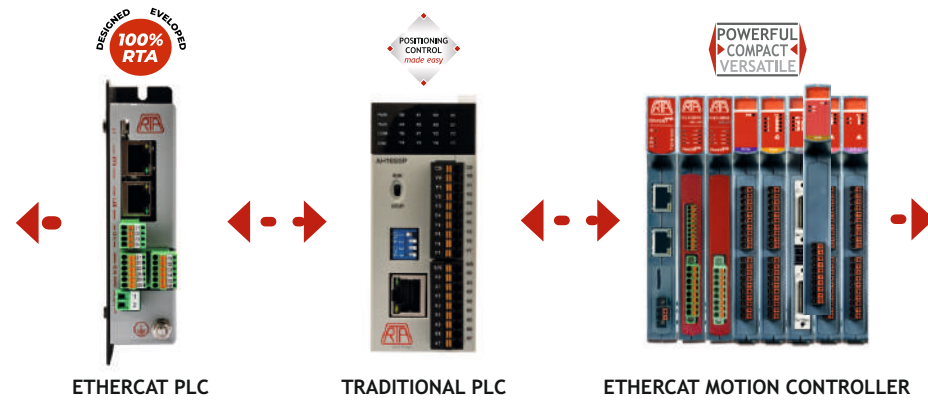
SIAM 1838

Humilitas COLLEGIO SAN CARLO

Sponsorship of the High School's students "Robotics Club"



DIFFERENT SOLUTIONS, FROM POINT-TO-POINT TO COMPLEX INTERPOLATION APPLICATIONS AND ELECTRONIC CAMS



- Motion controllers, EtherCAT PLC, traditional PLC
- Control of up to 128 axes
- Analog and digital I/Os
- Maximum flexibility for scalable architectures
- Dedicated Team of Engineers for Software Development

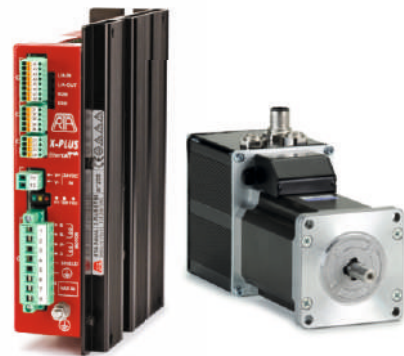
WINDOWS-BASED PROGRAMMING INTERFACE | CUSTOMIZED PROJECTS | REMOTE MONITORING THROUGH VPN



STEPPING SYSTEMS



STEPPING DRIVES & COMBO-UNITS | 100+ MODELS



- Voltage Range: from 24VDC to 230VAC
- Stand-alone, modular, combo units
- Switching power supplies available for all models



STEPPING MOTORS | 200+ MODELS



- Flange size: from Nema 6 to Nema 42
- Holding Torque: from 0,65Ncm to 24.600Ncm
- 3 Encoder options: 400 cpr, 4.000 cpr, index
- Connector type or lead wire



ACCESSORIES



FRONT ELECTROMAGNETIC BRAKES
Size: Nema 17, Nema 23, Nema 24, Nema 34

PLANETARY GEARBOXES
Body size: from 40 mm to 120 mm

SERVO SYSTEMS



SERVO DRIVES | 20+ MODELS



- Voltage Range: from 48VDC to 400VAC
- Advanced Safety Functions available: STO, SS1, SS2, SOS, SLS, SBC, SSM
- Double Encoder inputs
- Up to 23 bit encoder resolution



REAL-TIME AUTOTUNING FUNCTION | INTUITIVE GRAPHIC INTERFACE FOR I/O SETTING | ADVANCED JOGGING FOR MECHANICS TESTING

SERVO MOTORS | 40+ MODELS



- Battery-Less Absolute Encoder and Incremental Encoder
- Nominal Power: from 50W to 15.000W
- Nominal Torque: from 0,159 Nm to 96 Nm



ACCESSORIES



FULL LINE-UP OF CABLES

- Motor Power
- I/O
- Brake
- Encoder
- Safety

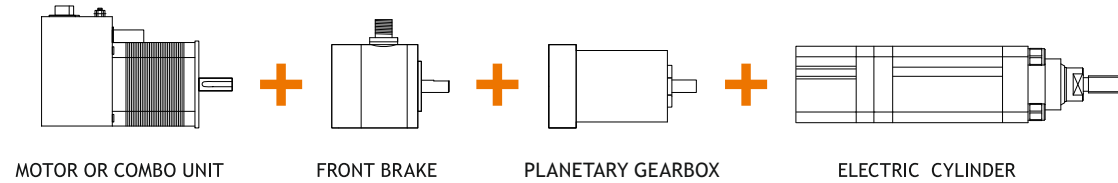
PLANETARY GEARBOXES
Body size: from 40 mm to 120 mm

FLEXIBLE AND FIXED CHAIN CABLES
DESIGNED, PRODUCED AND 100% TESTED BY R.T.A.

MECHATRONIC MODULAR SOLUTION



- Full compatibility with R.T.A. motors from flange Nema 17 to Nema 34
- Professional assembling and testing service



PLANETARY GEARBOXES | 30+ MODELS

FOR STEPPING AND SERVO MOTORS



- Body size: from 40 mm to 120 mm
- < i > from 3 to 25 + custom ratios



Professional assembling and testing
Quality test on every product

ELECTRIC CYLINDERS

FOR STEPPING AND SERVO MOTORS



PARALLEL MOUNTING



IN-LINE MOUNTING

- Multiple sizes according to ISO (32, 40, 50, 63, 80, 100, 125)
- Axial Force from 2.100 N to 123.400 N
- Screw Types: Lead screw, Ball screw, Roller screw
- Antirotation device available

COOLING FANS | 5000+ MODELS AVAILABLE



LONG-LIFE | SPLASH & OIL-PROOF
COUNTER ROTATING | CENTRIFUGAL
REVERSIBLE | G-PROOF

- 3 Families: AC, DC and ACDC
- Voltage range: from 5VDC to 48 VDC
- IP 68 versions for excellent water and dust protection



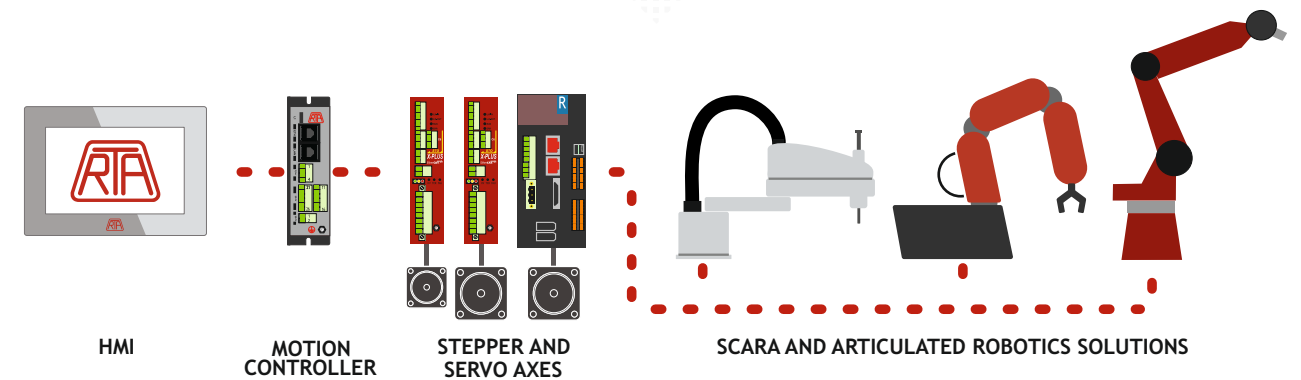
R.T.A. ROBOTICS

As a natural evolution of its recognized positioning on the market, in 2021 R.T.A. launched R.T.A. Robotics. It is an innovative start-up, focused on the robotic market with a comprehensive portfolio of SCARA and articulated robotic solutions.



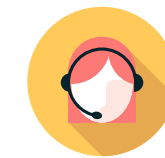
R.T.A. TRUE ADDED VALUE IS THE ABILITY TO INTEGRATE THE MOST COMPLEX MOTION ARCHITECTURES WITH ROBOTICS SOLUTIONS, DRAWING FROM A ROBUST EXPERIENCE IN HARDWARE AND A SOLID KNOW-HOW IN SOFTWARE ENGINEERING.

R.T.A. ETHERCAT ARCHITECTURE



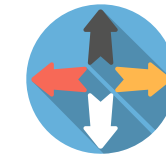
R.T.A. GROUP WINNING FACTORS

COMPLETE AUTOMATION SOLUTION
Designed, sized and developed by R.T.A.



TECHNICAL SUPPORT
Pre- and post-sales direct assistance by a dedicated team of engineers

EXTREMELY WIDE CHOICE OF DRIVE-MOTOR COUPLINGS
1000+ combinations



Customized **SOFTWARE DEVELOPMENT** projects

WIDE PRODUCT RANGE:
700+ part-numbers available overall



MADE IN ITALY
High-quality, short and controlled supply chain

ITALY

Corporate Headquarter

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www.rta.it

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T +39.051.780141 | rtabo@rta.it

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www.rta-india.in



CATALOGUE
DIGITAL EDITION



Look Ahead!

TOWARDS A ZERO-IMPACT FUTURE

In 2022 R.T.A. has "adopted" a 7-hectares wood owned by Azienda Agricola Morelli di Popolo that was meant to be cut down nearby the company Headquarters, taking care of the well-being and the conservation of the trees in the full respect of their natural life cycle. A simple action to take care of the precious local environment.

