

COMPANY PROFILE



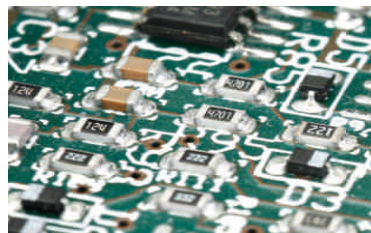
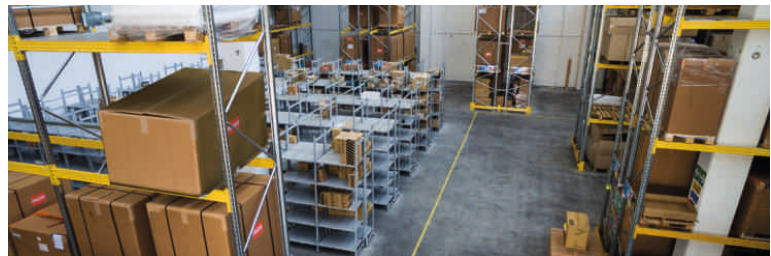
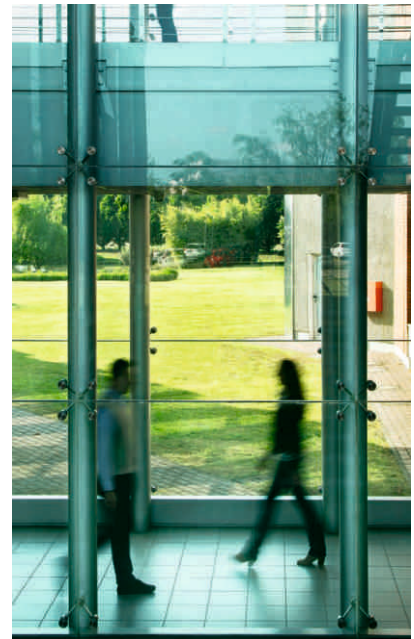
Look Ahead!

INTRODUCING GROUP

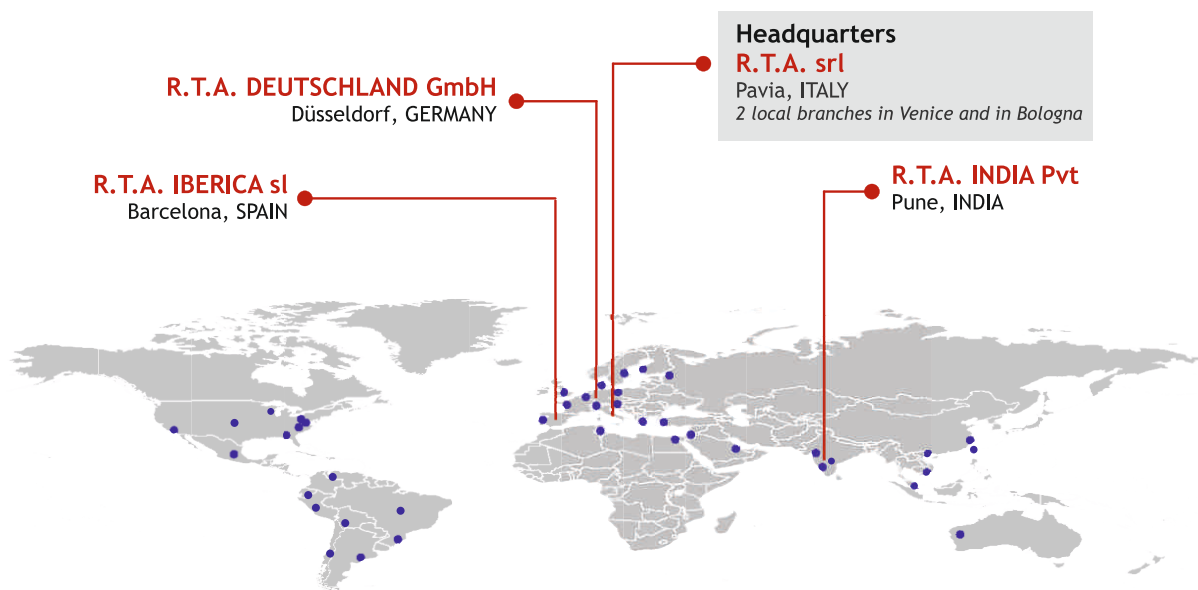
Founded in 1976 in Pavia (Italy), today R.T.A. is N. 1 independent European group in the stepping motor drives segment and a consolidated full motion control partner, with a wide and constantly expanding portfolio of products and solutions.

With high quality production, continuous technological innovation and commitment to internationalization, R.T.A. is a leading player in the industrial automation sector, offering a wide range of integrated products and technologies.

Thanks to its design and manufacturing capabilities, combined with more than 40 years of experience, R.T.A. is the perfect partner for motion control applications and cooling solutions.



R.T.A. IN THE WORLD

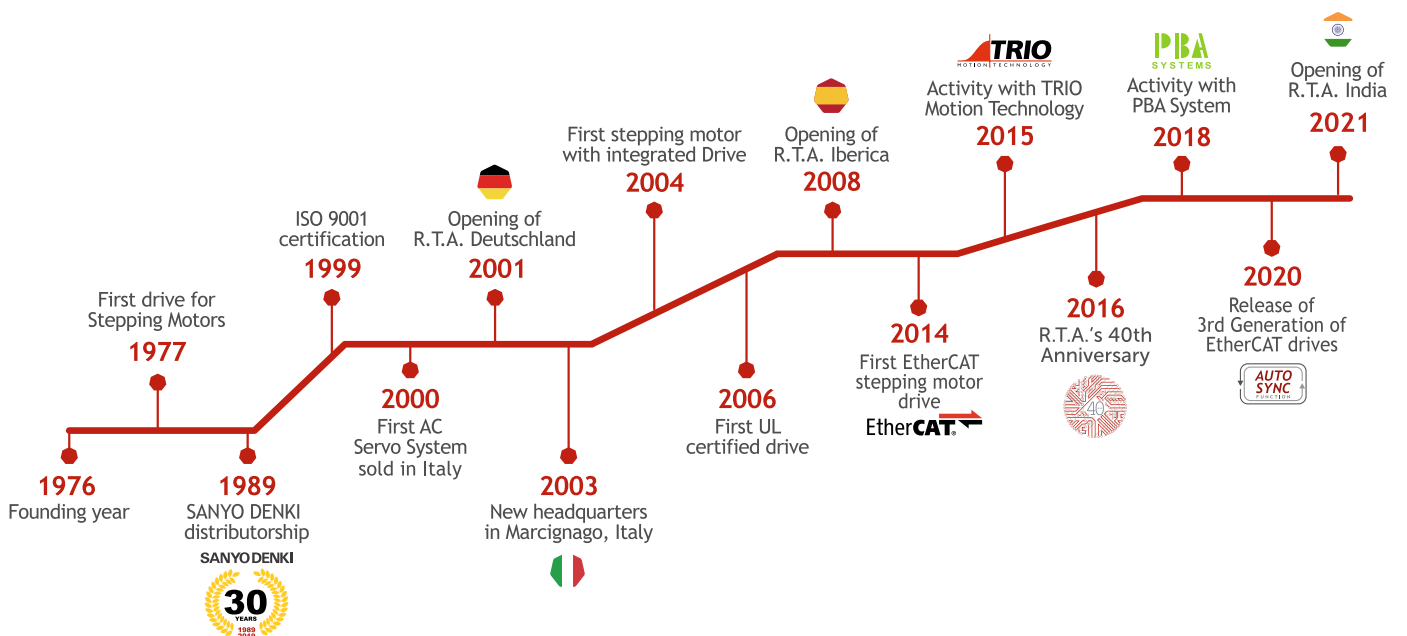


- 70 people worldwide
- A network of nearly 60 Distributors across 5 continents



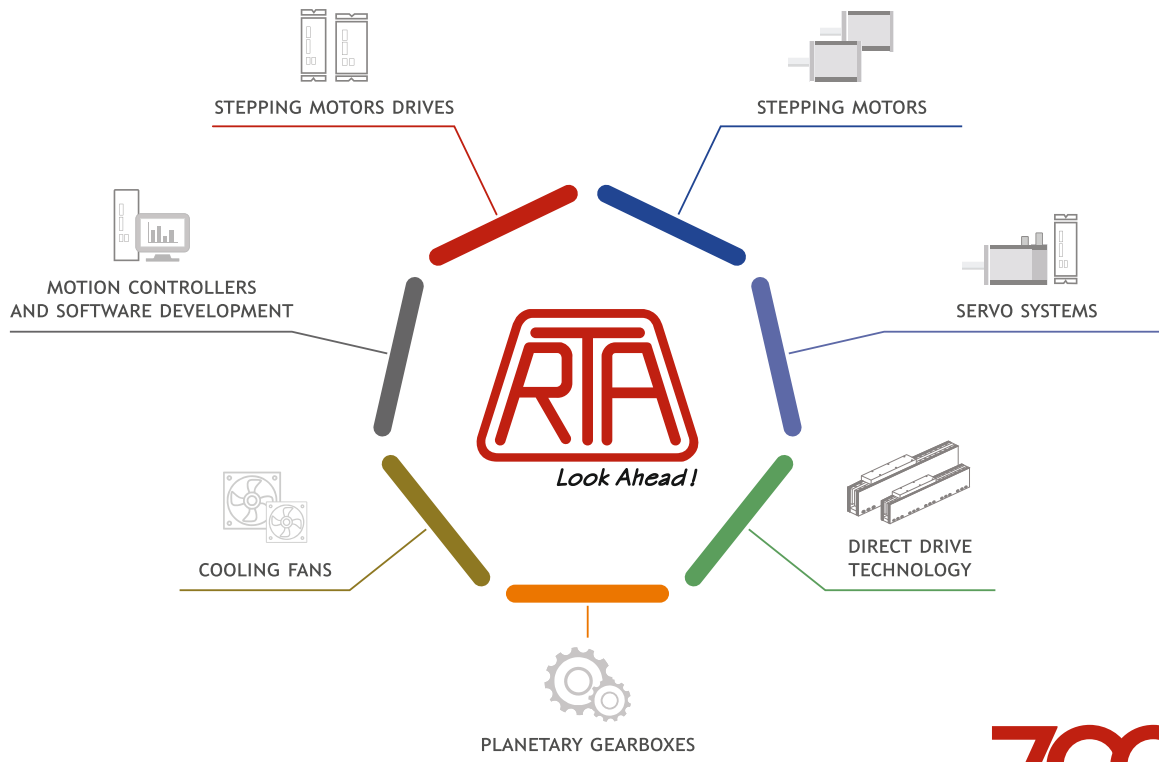
EXCELLENCE AND RELIABILITY

- Diverse and flexible automation solutions for any industrial sector.
- A team of highly qualified engineers employed in R&D and field application.
- Online and on-site technical support.
- Wide warehouse of more than 60.000 products, granting extremely quick delivery time.



ONE PARTNER FOR MULTIPLE INTEGRATED SOLUTIONS

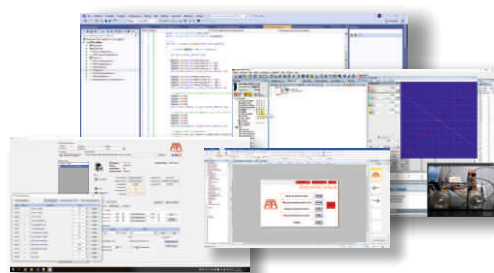
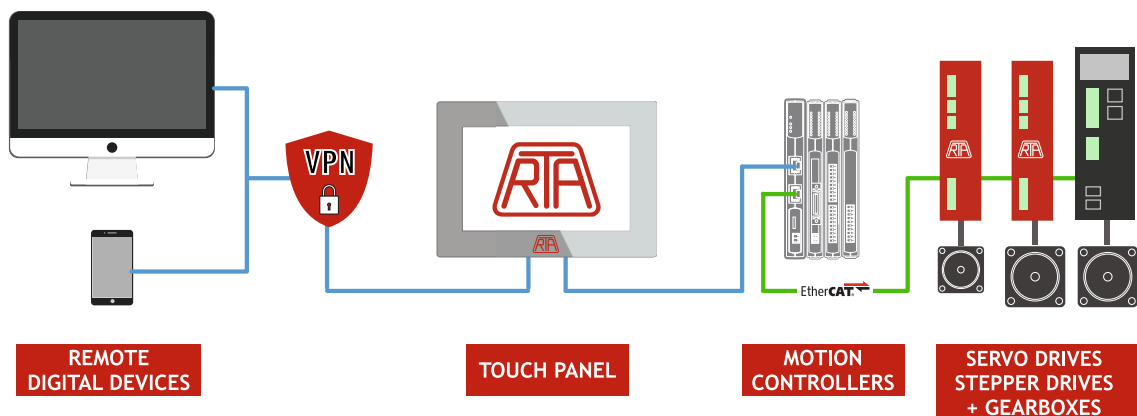
7 PRODUCT LINES



700+
OVERALL
PART-NUMBERS
AVAILABLE

R.T.A. ARCHITECTURE

A flexible and powerful solution for a wide range of motion control applications in most industrial sectors.



A team of highly experienced software engineers dedicated to software development projects.

MOTION CONTROLLERS

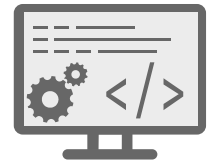


- 3 product families: EtherCAT, Pulse-Train and Analog Input

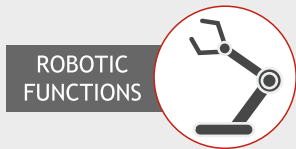
EtherCAT®



- 20+ models among masters, coupler, I/O modules and HMIs
- Drive of up to 128 axes of stepper, servo and linear motors
- Maximum flexibility for scalable and expandable motion architectures
- Free Windows-based programming interface
- Free remote monitoring via VPN
- Easy integration with R.T.A. products



**CUSTOMIZED
SOFTWARE
DEVELOPMENT
PROJECTS**



STEPPING MOTOR DRIVES

- 6 product families:

EtherCAT®



CANopen®



- 28 drive series, 200+ models
- Current range: from 0,1 A to 10 A
- Voltage range: from 24 VDC to 230 VAC
- Stand-alone, modular and combo units models
- 24 months international warranty
- Wide selection of switching power supplies available



**THE WIDEST EtherCAT®
PRODUCT PORTFOLIO WORLDWIDE**

6 drives series
Voltage range: from 24 VDC to 230 VAC
Power range: from 25 W to 1000 W



*New Auto-Sync Function
featuring a closed-loop
positioning in all
EtherCAT & Modbus drives*



20 years after installation
we still grant the availability
of our products

STEPPING MOTORS

SANYO DENKI
SANMOTION
STEPPING SYSTEMS

- 2 product families: INDUSTRIAL & TRADITIONAL
- 5 motor series, 150+ models
- Flange size: from 14 mm to 106 mm
- Holding torque: from 0,65 Ncm to 2460 Ncm
- Accessories: Front electromagnetic holding brakes for Nema 34 and Nema 24 stepping motors



INDUSTRIAL

INDUSTRIAL MOTORS

22 models

M12 / JST Connectors

IP 54 / IP 65 / FULL IP65 versions

INDUSTRIAL MOTORS WITH ENCODER

21 models

3 encoder options: 400 cpr, 4000 cpr, index



TRADITIONAL

TRADITIONAL STEPPING MOTORS

100+ models

STEPPING MOTORS WITH ENCODER

40+ models

Standard signal: differential

Various encoder resolutions available

STEPPING MOTORS WITH BRAKE

12 models



SERVO SYSTEMS

SANYO DENKI
SANMOTION
AC SERVO SYSTEMS

SERVOAMPLIFIERS

- 3 series, 17 models:
- Voltage range: from 48 VDC to 400 VAC
- Real-time autotuning function
- Full line-up of flexible and fixed chain cables



SERVOMOTORS

- 4 series with 38 models
- BATTERYLESS ABSOLUTE ENCODER and INCREMENTAL ENCODER
- Nominal power: from 50 W to 15000 W
- Nominal torque: from 0,159 Nm to 96 Nm



DIRECT DRIVE TECHNOLOGY

● 3 main motors series:

IRONLESS
LINEAR MOTOR

IRONCORE
LINEAR MOTOR

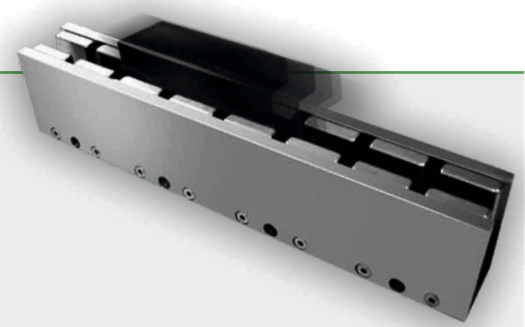
DIRECTDRIVE
ROTARY MOTOR

- Continuous force: from 12.7 N to 2457 N
- Peak force: from 14.01 N to 9827 N
- Max speed: 5 m/s Max acceleration: > 5 G
- Zero backlash

HIGH SPEED

COMPACT DESIGN

HIGH FORCE

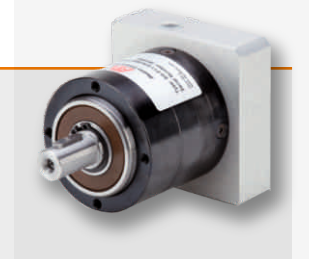


«ZERO» COGGING WITH MINIMAL VELOCITY RIPPLE

HEAVY LOAD CAPACITY MOTION WITH MINIMAL COGGING

PLANETARY GEARBOXES

- 2 product families: STEPPER and SERVOS
- Wide range of standard models on stock
- Professional assembling and testing service



STEPPER

Body size: from 40 mm to 90 mm
Standard reduction ratio «i» from 3 to 25

SERVOS

Body size: from 40 mm to 120 mm
Standard reduction ratio «i» from 3 to 25

CUSTOM RATIOS AVAILABLE

LOW BACKLASH VERSIONS

IP64

PLUG & GO!

IN STOCK

COOLING FANS

SANYO DENKI
San Ace
COOLING SYSTEMS

- 3 Product families, 30+ models always available on stock
- Voltage Range: from 5 VDC to 48 VDC



Frame Size

36 mm 40 mm 60 mm 80 mm 92 mm 120 mm 172 mm



Air Flow

0.18 m³/min → 8.5 m³/min

CABLING & CONNECTORS *Customized versions available*



5000 + MODELS AVAILABLE FROM SANYO DENKI
San Ace
COOLING SYSTEMS

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

DC **AC** **ACDC** **IP 68** **SP** **CE** **UL**

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GENERAL CATALOGUE
DIGITAL EDITION



Look Ahead!

