EN

Production programme

METAL WORK®
PNEUMATIC

Metal Work.
Leader in pneumatic automation.

Metal Work was set up in 1967 for the production of push-in fittings for compressed air systems. The company gradually extended its production and sales structure to become a leader in pneumatic systems for automation.

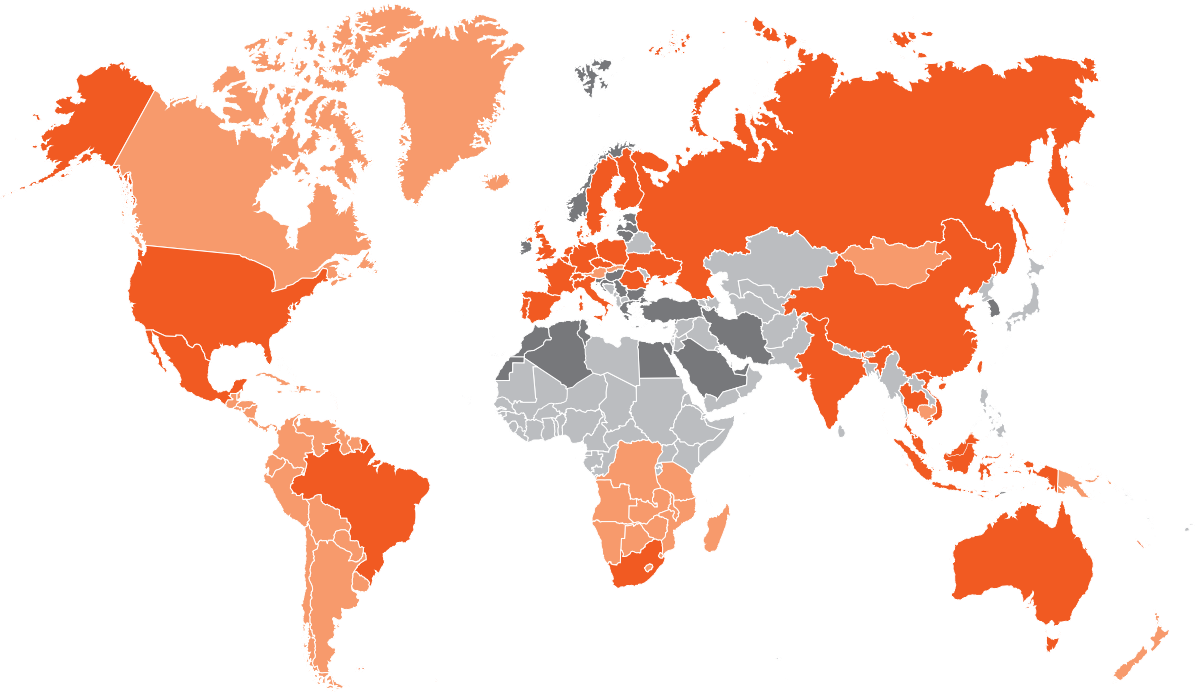
Now the production unit in Concesio has a staff of about 600 people, while the national and international sales organisation staff number is around 800.

In 1992 Metal Work obtained the ISO 9001 certification. To the quality system certification, in 2000 we added the one related to the enviromental management according to the ISO 14001.

To these in 2007 METAL WORK S.p.A. applied the OHSAS 18001 standard then moving to ISO 45001 in 2018 to guarantee a Management System of Occupational Safety and Health.

All the certifications above mentioned have been released by the German certification body DEKRA ITS, accredited by TGA. Products are distributed through 61 branches in Italy and abroad, which offer an efficient capillary before- and after-sales service.

The product quality and an efficient sales organisation are the basis on which Metal Work firmly stands and enable the company to meet all possible requirements in pneumatic systems for automation.



Metal Work Group of Companies Dealers

Metal Work in Italy

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25062 - Concesio BS Italy
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Metal Work worldwide

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MACERATA
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South

AVELLINO
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pneumatics@acme-world.com
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Actuators

ISO 6432 SERIES

- STD Ø 8 to 25 mm
- TP Ø 16 to 25 mm

ISO 15552 SERIES

- STD Ø 32 to 320 mm
- TYPE A Ø 32 to 125 mm
- SERIES 3 Ø 32 to 125 mm
- SERIES ILT Ø 50 to 125 mm
- SERIES MCR Ø 32 to 125 mm (Medium Corrosion Resistance)
- SERIES BTY Ø 32 to 125 mm (for Battery production)
- SERIES HCR Ø 32 to 125 mm (High Corrosion Resistance)
- SERIES TWNC Ø 32 to 100 mm
- VERSION WITH END - OF - STROKE STOP Ø 32 to 100 mm
- VERSION WITH PROTECTIVE BELLOW Ø 32 ÷ 125 mm

COMPACT SERIES

- ISO 21287 - LINER Ø 20 to 100 mm
- CMPC Ø 12 to 100 mm
- CCIV Ø 12 to 40 mm (with Integrated Valve)

OTHER CYLINDERS

- ROUND RNDC SERIES
- CARTRIDGE CRTC SERIES
- COMPACT STOPPER
- SHORT STROKE SSCY SERIES
- COMPACT GUIDED CMPG SERIES
- COMPACT GUIDED MULTIFIX SERIES
- ROTOLINEAR SWING CLAMP CYLINDERS SERIES SWC AND SWH

RODLESS SERIES

- STD Ø 16 to 63 mm
- BALL RECIRCULATING GUIDE Ø 16 to 63 mm
- "V" GUIDE Ø 25 to 63 mm
- SERIES PU Ø 25 to 50 mm
- MAGNETIC SLIDE Ø 16 to 25 mm

STAINLESS STEEL SERIES

- ISO 6432 Ø 16 to 25 mm
- ISO 15552 Ø 32 to 125 mm
- ROUND Ø 32 to 63 mm

HANDLING AND V-Lock

- FIXING ELEMENTS
- V-LOCK ADAPTORS
- LINEAR ACTUATORS
- ROTARY ACTUATORS
- GRIPPERS
- SLIDES

Elektro

- ISO 15552 SERIES Ø 32 to 100 mm
- ISO 15552 EK SERIES
- SSC SERIES
- MINI DC SERIES
- ROUND DC SERIES Ø 32 mm
- SHAK SERIES
- SVAK SERIES
- RODLESS SK AND BK SERIES
- CS SERIES
- MULTIFIX SERIES
- VBK SERIES
- ROTARY RBA SERIES

- E.MOTION / E.DRIVE / E.DIRECT

HYDRAULIC BRAKE

- BRK SERIES Ø 40 - 63 mm
- INTEGRATED Ø 50 to 125 mm
- REMOTE REGULATION OF HYDRAULIC BRAKES

ACCESSORIES

- ROD LOCK
- GUIDE UNITS
- FIXINGS
- SENSORS
- POSITION SENSORS
- DECELERATORS

Valves

MINIVALVES VME SERIES Ø 4 - M5

- MECHANICAL
- HAND OPERATED

SERIES 70 VALVES

- HAND OPERATED 1/8" to 1/2"
- MECHANICALLY OPERATED 1/8"
- PNEUMATIC 1/8" to 1/2"
- SOLENOID/PNEUMATIC 1/8" to 1/2"
- LT VERSION FOR LOW TEMPERATURE (-40 ÷ +60°C)
- BTY VERSION (for battery production)
- ON BASE

NAMUR

- PNEUMATIC
- SOLENOID/PNEUMATIC

SOLENOID VALVES 10 mm

- PLT-10 SERIES (PLUG-IN OR M8 VERSION)
- PLT-10 SERIES FOR MULTIPLE CONNECTION

SOLENOID VALVES

- PIV.M 15 mm SERIES
- PIV.I, T, B SERIES ON BASE
- PIV.I, B SERIES IN LINE
- CNOMO PILOT

MINIMACH

- SOLENOID/PNEUMATIC M5 (PLUG-IN OR M8 VERSION)
- SOLENOID/PNEUMATIC M5 ON BASE

MACH VALVES

- MACH 11 M7 (PLUG-IN OR M8 VERSION)
- MACH 16 1/8"
- MACH 16 ON BASE
- MACH 18 - VDMA 24563-0 ISO 15407/1

ISO 5599/1 VALVES - ISO 1, 2, 3

- IPV SERIES PNEUMATIC
- ISV SERIES SOLENOID/PNEUMATIC

SAFE AIR®

- SERIES 70 1/8" - 1/4" - 3/8" - 1/2"
- ISO 5599/1 - ISO 1, 2, 3
- TWO-HANDS SAFETY

VALVES ISLAND

- MULTIPOLE CONNECTION 25 or 44 PIN
- SERIAL CONNECTION
  - EtherNet/IP
  - EtherCAT
  - Profinet IO
  - Profibus-DP
  - CANopen
  - Ethernet POWERLINK
  - IO-Link
- SIGNAL MODULE IN-OUT

EB 80

- PROPORTIONAL PRESSURE REGULATOR
- MULTI-FUNCTION MODULE
- ADDITIONAL MODULES
- SPECIAL VERSION: BOXI

VALVES ISLAND HDM

- HDM MULTIPOLE CONNECTION or 25 PIN
- SERIAL CONNECTION
  - EtherNet/IP
  - Profibus-DP
  - CANopen
  - AS-Interface
- INTERNAL VALVES

VALVES ISLAND CM

- MULTIPOLE CONNECTION or 44 PIN
- SERIAL CONNECTION
  - EtherNet/IP
  - EtherCAT
  - Profinet IO
  - CANopen
- ADD-ON MODULE

MM MULTIMACH

- MULTIPOLE CONNECTION 9 or 44 PIN
- SERIAL CONNECTION
  - Profibus-DP

VALVES MULTIPLE FLUIDS

- SOLENOID VALVES, SERIES EV - FLUID
- ACTUATED VALVES, SERIES RV - FLUID

Units

SYNTESI

- SIZE 1
  1/8" - 1/4" - 3/8"
  P MAX 15 bar
- SIZE 2
  3/8" - 1/2" - 3/4" - 1"
  P MAX 13 bar

Skillair

- SIZE 100 1/4" - 3/8"
  P MAX 15 bar
- SIZE 200 1/4" - 3/8" - 1/2"
  P MAX 13 bar
- SIZE 300 1/2" - 3/4" - 1"
  P MAX 13 bar
- SIZE 400 1" - 1 1/4" - 1 1/2" - 2"
  P MAX 13 bar

bit

- THREADED PORT
  1/8" to 1/4"
  P MAX 13 bar
- VERSIONS:
  STANDARD
  SERIES F FOR WATER

Newdeal

- THREADED PORT
  1/4" to 1"
  P MAX 18 bar

ONE

- THREADED PORT
  1/4" to 1"
  P MAX 10 bar

PROPORTIONAL PRECISION REGULATORS

- REGTRONIC M5 - 1/8" - 1/4"
- REGTRONIC NEW DEAL - 3/4" to 1"
- REGTRONIC 300 - 1/2" to 1"
- REGTRONIC 400 - 1" to 2"
- SYNTRONIC 1/8" to 1"
- GS SERIES - HIGH EXHAUST - 1/8" to 1/4"

FLOW AND PRESSURE SENSOR

- PRESSURE SWITCH
- DIGITAL PRESSURE SWITCH
- FLOWMETER

Fittings

- **R SERIES** - PUSH-IN
  - BRASS
  - TECHNOPOLYMER

G BSP UNF NPT

- **BTY SERIES** - PUSH-IN
  BATTERY INDUSTRY

- **F-E SERIES** - PUSH-IN
  FOOD CONTACT AND HIGH-TEMPERATURE
  - EPDM:
  - FKM

MAX 150°C

- **F-NSF SERIES** - PUSH-IN
  FOOD CONTACT AND HIGH-TEMPERATURE
  - EPDM: - DM174
  - FKM: - DM174

MAX 150°C

- **XTR SERIES** - PUSH-IN
  FOOD CONTACT AND HIGH-TEMPERATURE
  - EPDM: - DM174
  - FKM: - DM174

MAX 150°C

- **F-E PLUS SERIES** - PUSH-IN
  FOOD CONTACT AND HIGH-TEMPERATURE
  - EPDM:
  - FKM

MAX 150°C

- **F-NSF PLUS SERIES** - PUSH-IN
  FOOD CONTACT AND HIGH-TEMPERATURE
  - EPDM: - DM174
  - FKM: - DM174

MAX 150°C

- **XR SERIES** - PUSH-IN - STAINLESS STEEL
  FOOD CONTACT AND HIGH-TEMPERATURE
  - FPM: - DM21/03/73

MAX 150°C

- **A SERIES** - STANDARD
  - NICKEL-PLATED BRASS

- **B SERIES** - COMPRESSION
  - NICKEL-PLATED BRASS

- **C SERIES** - QUICK
  - NICKEL-PLATED BRASS

- **D SERIES** - BANJO
  - NICKEL-PLATED BRASS

- **XA SERIES** - STANDARD STAINLESS STEEL
  - AISI 316 L STAINLESS STEEL:

- **XC SERIES** - QUICK STAINLESS STEEL
  - AISI 316 L STAINLESS STEEL:

- **XD SERIES** - BANJO STAINLESS STEEL
  - AISI 316 L STAINLESS STEEL:

Accessories and Special Products

lineonline

- PNV L - PNEUMATIC VALVE
- SOV L - SOLENOID VALVE
- RML - RMC - RMS - MINIATURE REDUCER
- MAN L - PRESSURE GAUGE
- PRS L - PRESSURE SWITCH
- LAM L - PRESSURE INDICATOR
- V2V L - V3V L - SHUTOFF VALVE
- RFL L - FLOW MICRO REGULATOR
- VSR L - QUICK-EXHAUST VALVE
- RFF L - FIXED-REGULATION FLOW REGULATOR
- VSRR L - QUICK-EXHAUST VALVE WITH MICRO REGULATED EXHAUST
- STP L - STP C - STP S - STOP VALVE
- VNR L - CHECK VALVE
- FIL L - IN-LINE FILTER

COUPLINGS

- IAC SERIES
- ICS SERIES

FLOW REGULATORS

- MRF SERIES COMPACT N
- MRF SERIES COMPACT O
- MRF SERIES HIGH FLOW
- MRF SERIES PUSH LOCK
- MRFX SERIES (STAINLESS STEEL)
- RFL SERIES IN-LINE
- RFLX SERIES IN-LINE (STAINLESS STEEL)

PNEUMATIC LOGIC

- OR - AND - NOT - YES
- MEMORY
- TIMER

AUXILIARY VALVES

- VSR
- STP
- VCS
- VOR
- VNR (IN BRASS OR STAINLESS STEEL)

ACCESSORIES

- BOOSTER Ø 40, Ø 63, Ø 100 mm WITH AND WITHOUT REGULATOR
- IN-LINE PROGRESSIVE STARTER VAP 1/4", 1/2"
- DISTRIBUTION FRAMES AND ROTARY JOINTS
- SILENCERS
- PNEUMO-POWER

CUSTOM PRODUCTS

LARGE SELECTION OF VARIANTS

KIT PNEUMATIC MOTION®

- KIT PNEUMATIC MOTION® CONFIGURABLE (KIT PMC)
- KIT PNEUMATIC MOTION® READY (KIT PMR)
- KIT PNEUMATIC MOTION® CUSTOM

PRODUCTS FOR DIDACTIC

BENCHES AND KITS FOR EXERCISES AND DEMONSTRATIONS

STANDARDS

	PED	• Directive 2014 / 68 / EU
	RoHS	• Directive 2011 / 65 / EU - 2015 / 863 / EU
	RAEE	• Directive 2012 / 19 / EU
Ex	ATEX	• Directive 2014 / 34 / EU
	IECEX	• Directive EPS 16.0078X
	SIL	
	REACH	• Directive 1907 / 2006 / CE
UL	UL /CSA	
	EMC	• Directive 2014 / 30 / EU
	EAC	
	M.O.C.A	
NSF	NSF INTERNATIONAL	• NSF 169
	CE	• Directive 2006 / 42 / CE

TOOLS

- 2D/3D MODELS
- CONFIGURATORS:
  - EASY ELEKTRO
  - EASY ROBOTICS
  - EASY SIZER
  - EASY SCHEME
- DIGITAL CATALOGUE

GREEN PRODUCTS

METAL WORK® PNEUMATIC

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