



## Production programme

# Metal Work.

## Leader in pneumatic automation.

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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.

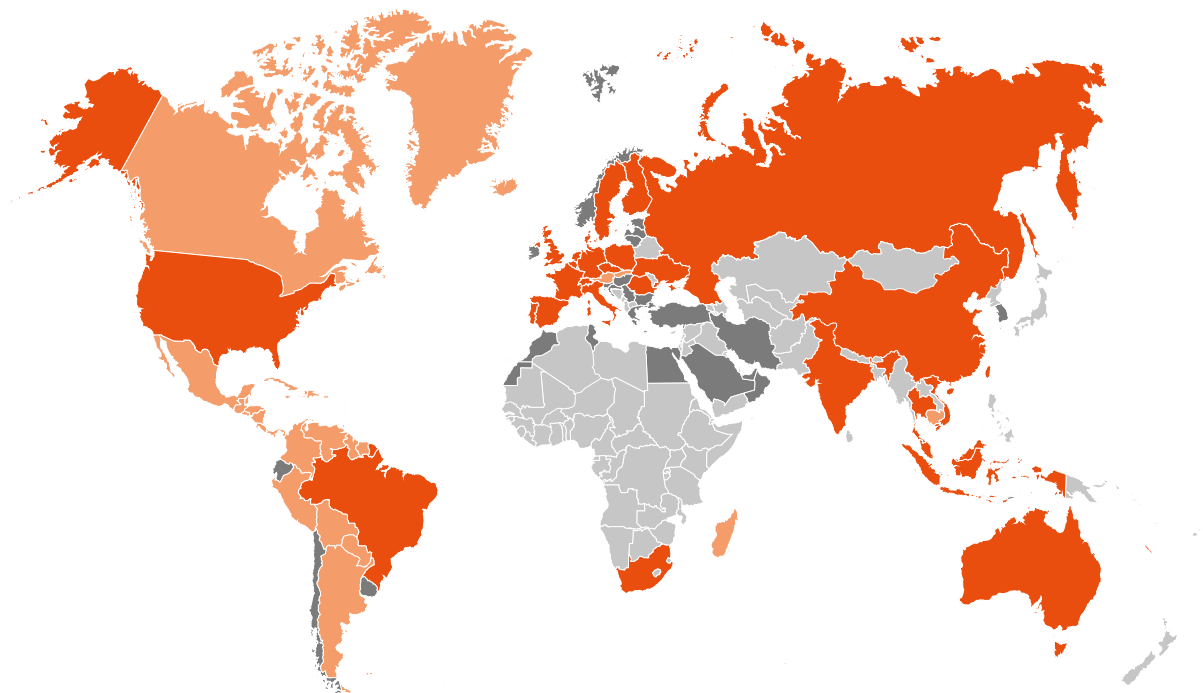
Now the production unit in Concesio has a staff of about 500 people, while the national and international sales organisation staff number is around 800.

In 1992 Metal Work obtained the ISO 9001 certification. To the quality system certification, in 2000 we added the one related to the environmental 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 50 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

Headquarter - Via Segni, 5-7-9  
25062 - Concesio BS Italy  
Tel. 030 21 87 11  
metalwork@metalwork.it - www.metalwork.it



# Metal Work worldwide



## Authorized Dealers

### BARI

Metal Work Service S.r.l.  
info.ba@metalworkservice.com

### BERGAMO

Metal Work Service S.r.l.  
info.bg@metalworkservice.com

### BOLOGNA

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info.bo@metalworkservice.com

### BRESCIA

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### CREMONA

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info.cr@metalworkservice.com

### LECCO

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info.lc@metalworkservice.com

### FILIALE DI VARESE

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### MANTOVA

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### MODENA

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### MONZA BRIANZA

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### NOVARA

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### PRATO

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### RIMINI

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### TORINO

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metalwto@metalworkservice.com

### TREVISO

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### VERONA

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### VICENZA

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### North

#### PADOVA

ATI Compressori S.r.l.  
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### Centre

#### FROSINONE

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#### LATINA

Atilsystem S.r.l.  
info@atilsystem.com  
atilsystem.com

#### MACERATA

Torresi Raffaele & C S.r.l.  
info@torresiraffaele.it  
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### South

#### AVELLINO

A.R.A. S.a.s.  
di C. Argenziano & C.  
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#### NAPOLI

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Ardolino S.r.l.  
oleodi15@oleodinamicardiardolino.191.it  
R.C.P. Service S.r.l.  
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### Europe

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#### SWEDEN

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#### SWITZERLAND

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#### UK

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#### UKRAINE

Metal Work Ukraine TOV  
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### Africa

#### SOUTH AFRICA

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### Americas

#### BRAZIL

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metalwork@metalwork.com.br  
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### Asia/Oceania

#### AUSTRALIA

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## Authorized Dealers

### Europe

#### BULGARIA

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#### CYPRUS

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#### GREECE

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#### UNITAIR

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#### HUNGARY

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#### UNITED ARAB EMIRATES

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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 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 CMPC 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



## ACCESSORIES

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



## HYDRAULIC BRAKE

- BRK SERIES Ø 40 - 63 mm
- INTEGRATED Ø 50 - 63 - 80 - 100 mm
- REMOTE REGULATION OF HYDRAULIC BRAKES



## Elektro

- ISO 15552 SERIES Ø 32 to 100 mm
- ISO 15552 EK SERIES
- SSC SERIES
- ROUND DC SERIES Ø 32 mm
- SHAK SERIES
- SVAK SERIES
- RODLESS SK AND BK SERIES
- CS SERIES
- VBK SERIES
- E.MOTION / E.DRIVE / E.DIRECT



## Vlock - HANDLING

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







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



## EB 80

## VALVES ISLAND

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



## HDM

## VALVES ISLAND

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



## cm

## MM MULTIMACH

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



## mm

## VALVES MULTIPLE FLUIDS

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





# Units



# Fittings

## 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" - 1"
- REGTRONIC 300 - 1/2" - 3/4" - 1"
- REGTRONIC 400 - 1" - 1 1/4" - 1 1/2" - 2"
- SYNTRONIC 1/8" - 1/4" - 3/8"
- GS SERIES - HIGH EXHAUST - 1/8" - 1/4"



## FLOW AND PRESSURE SENSOR

- PRESSURE SWITCH
- DIGITAL PRESSURE SWITCH
- FLOWMETER



## AUTOMATIC FITTINGS



- BRASS  



- TECHNOPOLYMER

## STANDARD FITTINGS



- STANDARD A SERIES



- COMPRESSION B SERIES

## AUTOMATIC FITTINGS FOR USE IN THE FOOD INDUSTRY



- SERIES F-E PLUS 



- SERIES F-E 



- AISI 316L STAINLESS STEEL  



- QUICK C SERIES



- BANJO D SERIES

## STANDARD FITTINGS FOR USE IN THE FOOD INDUSTRY



- SERIES F-NSF PLUS  



- SERIES F-NSF  



- STAINLESS STEEL XA SERIES
- STAINLESS STEEL XC SERIES
- STAINLESS STEEL XD SERIES





# 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 - 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



## PNEUM-POWER



## KIT PNEUMATIC MOTION®

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



## CUSTOM PRODUCTS

- LARGE SELECTION OF VARIANTS



## STANDARDS

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

## TOOLS

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

## GREEN PRODUCTS



