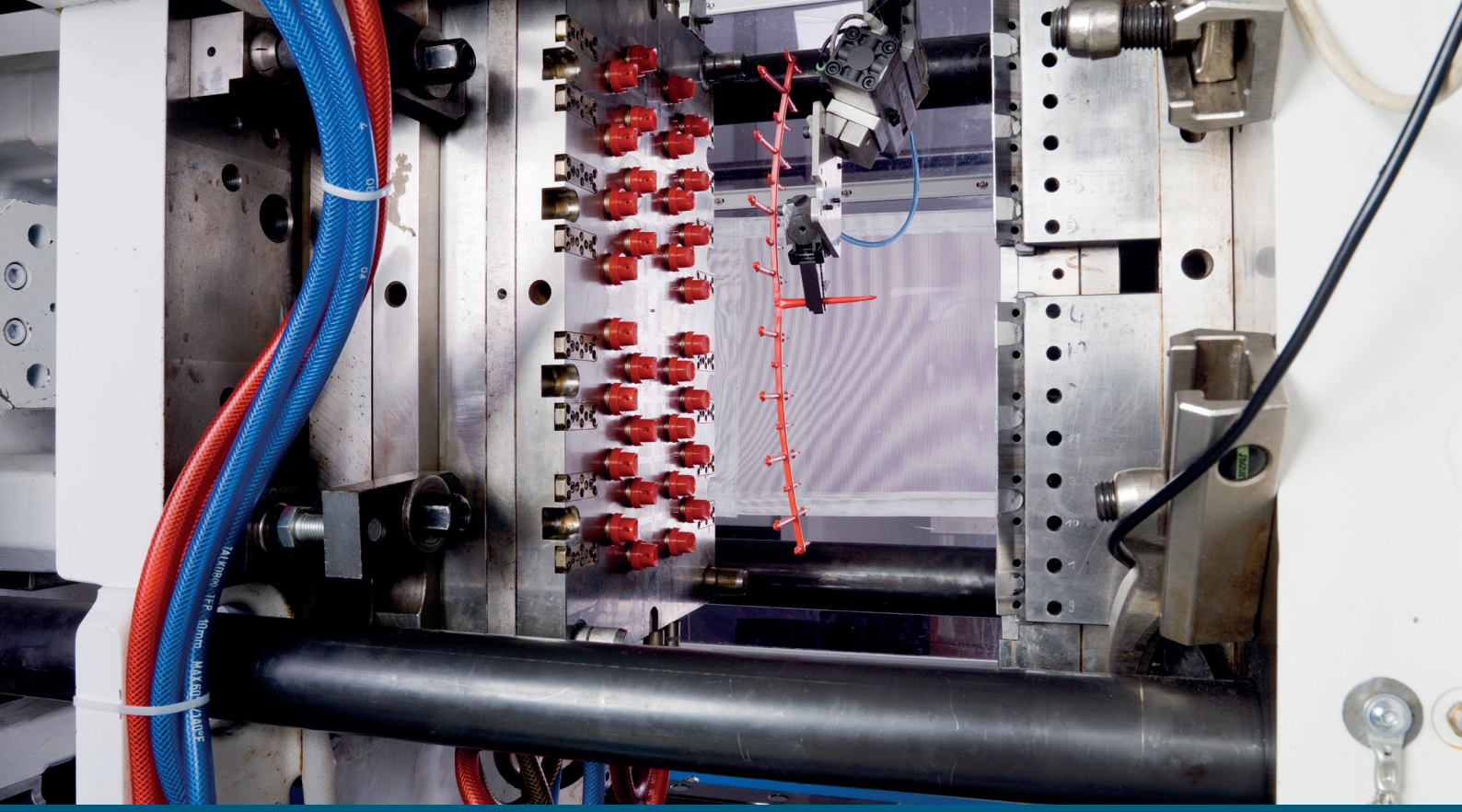


Stucchi®

Solutions for Injection Molding applications

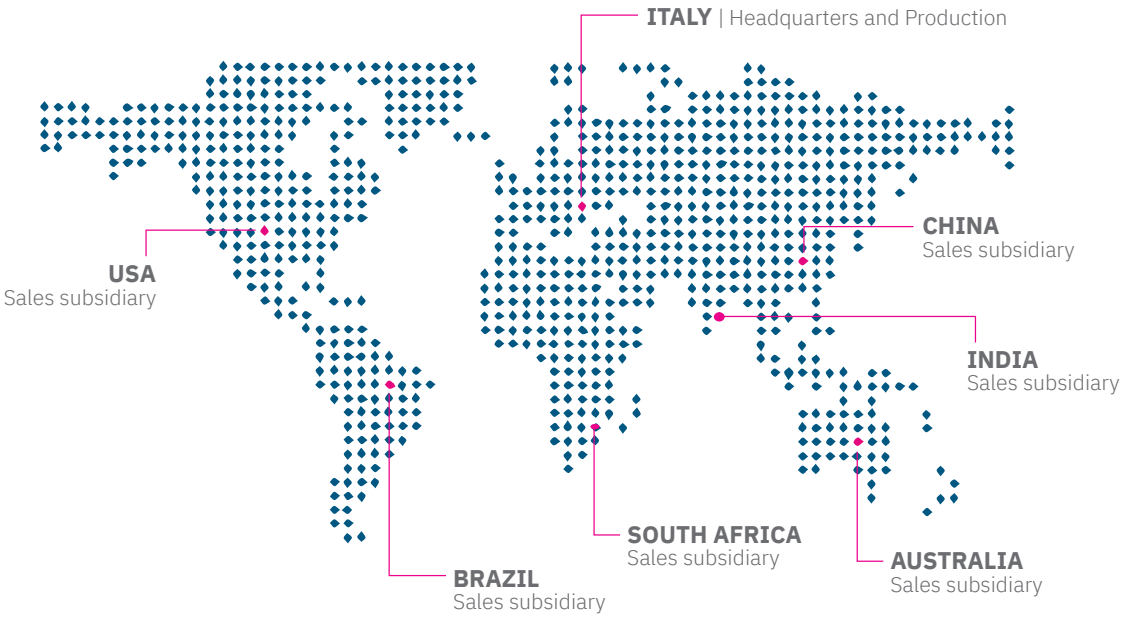
stucchigroup.com

The Company

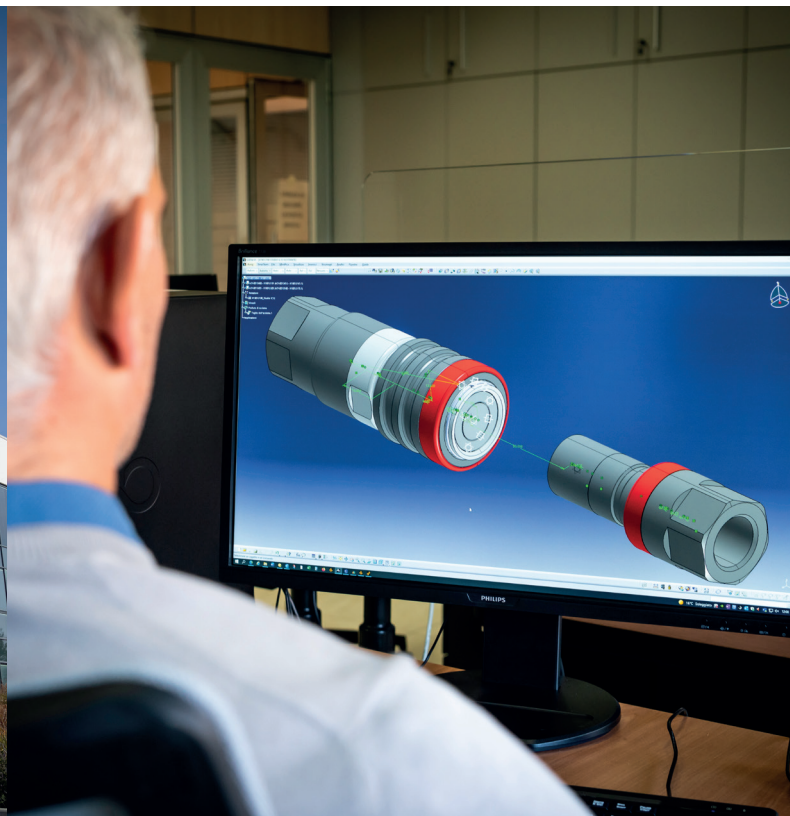
Stucchi was founded in 1960 in Italy and during these dacades has gained a vast experience in the production of quick couplings for fluid transfer.

The vision that drives us to the future is to be recognized by our customers as their supplier of choice for fluid power products and solutions that are easy to use, safe, long lasting, environmentally friendly and that help in saving energy.

Stucchi in the world







Why Stucchi

· Extensive knowledge across different thermal management fields
· Strong global network and presence
· Collaborative engineering tailored to customer needs
· In-house expertise in design, production and testing

Why Stucchi products

· Lightweight and compact design
· Durability under mechanical stress
· Flat face design with no-spill valve
· Minimal pressure drop design
· Flexibility to provide different port configurations
· Our solutions are designed to offer superior compatibility with a wide range of fluids
· Different safety locking options
· Valve for pressure release option available

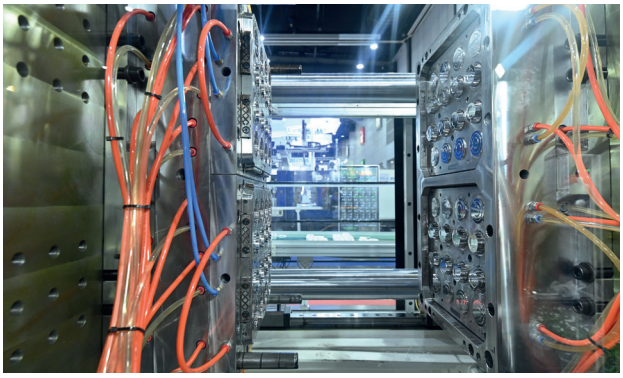


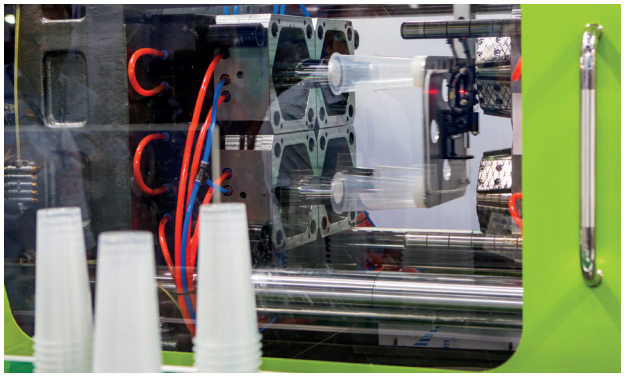


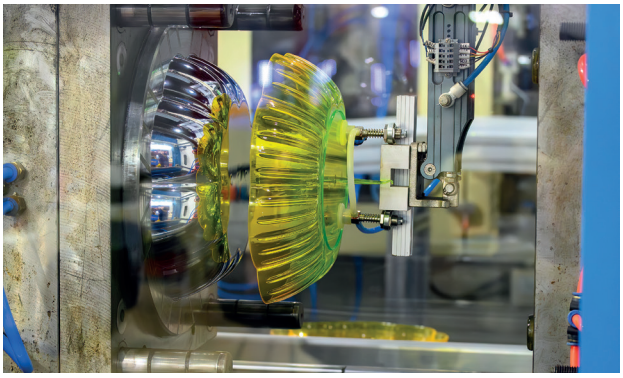
Injection Molding applications

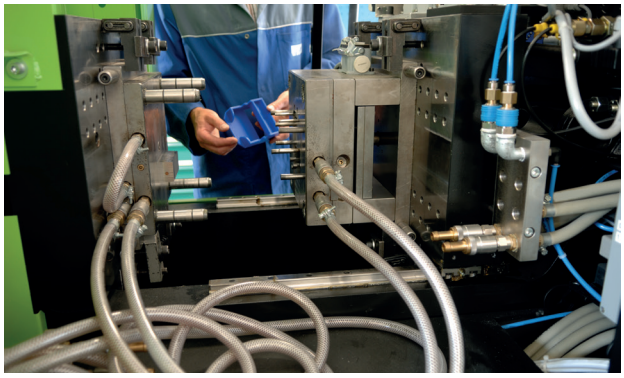
In injection molding presses, Stucchi offers connections for thermal management, such as mold temperature control, and hydraulic power, including core pullers and ejector systems. These products ensure smooth and reliable operations throughout the molding cycle.

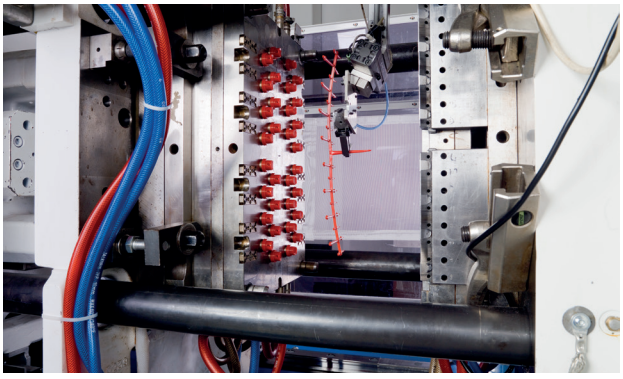
Stucchi's continuous innovation and customer-focused approach make it a preferred partner in the injection molding industry. Its solutions set new benchmarks for reliability and performance in fluid management.

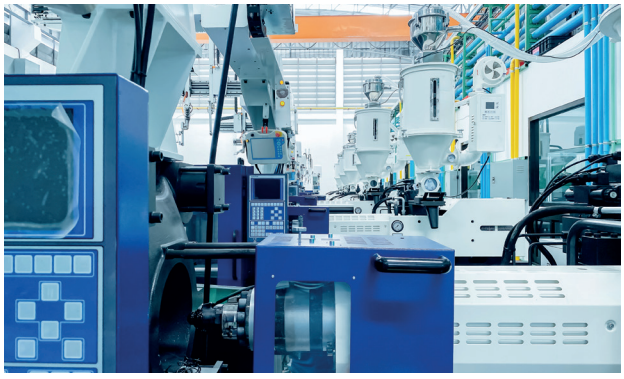












The Stucchi proposition

With over 60 years of expertise in quick couplings, Stucchi is a trusted partner for fluid management in injection molding applications.

Its innovative solutions ensure precision, reliability, and high performance in critical processes such as hydraulic circuits for injection presses and mold cooling systems.By focusing on quality and durability, Stucchi delivers customized solutions that address the specific needs of the plastics industry, helping reduce machine downtime and increase production efficiency. This commitment has strengthened its reputation as a leader in fluid management for injection molding.

Hydraulic core puller:

FIRG-Q



A



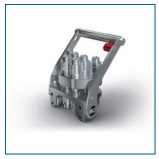
FL

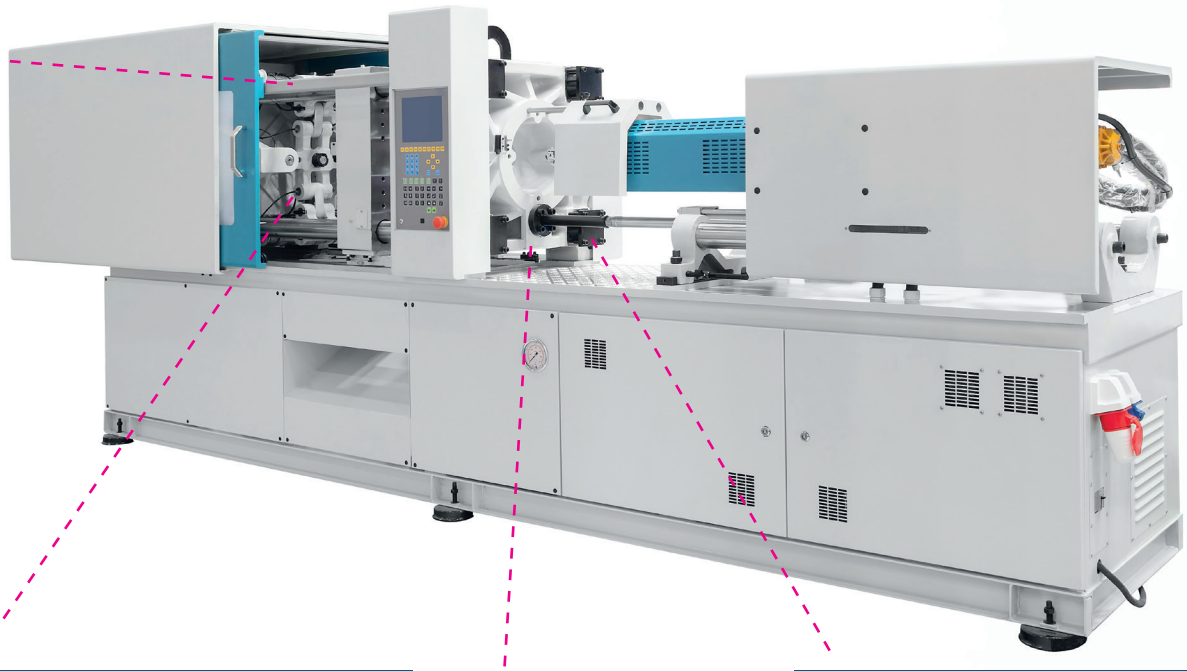


AX



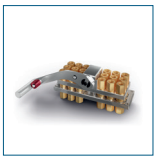
GR + FAP-ZN





Pneumatic core puller:

GRE



IRBO

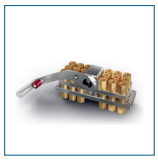


IRBX



Air molds thermal regulation:

GRE



IRBO



IRBX



Liquid mold thermal regulation:

FIRG-Q



FL



AX



GRLW10



GRE



IRBO



IRBX



Stucchi solutions for Injection Molding

Through collaborations with leading injection molding machine manufacturers, Stucchi has developed specialized solutions for this demanding industry.These partnerships drive continuous innovation and ensure advanced product performance, meeting the evolving needs of high-precision molding processes.Stucchi's expertise enables it to address the specific requirements of the plastics sector, delivering tailored solutions that integrate seamlessly with modern injection molding machinery and contribute to improved efficiency and reliability.

Technical notes

	Valving style	Size	Operating pressure (bar)	Flow rate (l/min)	Material / Treatment	
FIRG-Q	Flat face	1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2"	max 300 bar	max 1000 l/min	Carbon steel+Stainless steel/ QPQ	
A	Flat face	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2"	max 420 bar	max 750 l/min	Carbon steel / Cr3 (Zn-Ni version available)	
FL	Flat face	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2"	max 350 bar	max 1000 l/min	Stainless steel	
AX	Flat face	3/8", 1/2", 3/4", 1"	max 350 bar	max 378 l/min	Stainless steel	
GRLW10 + FAQ13	Flat face	1/2"	max 20 bar	max 90 l/min	Body plates in aluminum, couplings in Carbon steel / QPQ + Stainless steel	
GR + FAP-ZN	Flat face	3/8", 1/2", 5/8", 3/4", 1"	max 350 bar	max 378 l/min	Body plates in brass, couplings in carbon steel with Zn-Ni	
GRE	Flat face	3/8", 1/2"	max 10 bar	max 90 l/min	Body plates in aluminum, couplings in brass	
IRBO*	Poppet	1/8", 1/4", 3/8", 1/2", 3/4", 1"	max 250 bar	max 200 l/min	Brass	
IRBX*	Poppet	1/8", 1/4", 3/8", 1/2", 3/4", 1"	max 250 bar	max 200 l/min	Stainless steel + Brass	

* Available also with Free Flow version to avoid water stagnation.

Different products for different uses

Stucchi engineers prioritize creating solutions tailored to the unique needs of each sector.
By considering media types, performance demands, and specifications, they ensure optimal functionality and reliability.
For injection molding, Stucchi provides products designed for precision and adaptability.
These solutions maximize efficiency and reduce downtime in critical systems.

	Media - Sealing - Temperature					Applications			
	Hydraulic oil (power transmission) Nitrile NBR from -20°C to +100°C (from -4°F to +212°F)	Diathermic oil (temperature control) FKM (VITON®) from -15°C to +180°C (from +5°F to +356°F)	Water, water/glycol (liquid cooling) EPDM from -40°C to +150°C (from -40°F to +302°F)	Air (air cooling/ pneumatic transmission) Nitrile NBR from -20°C to +100°C (from -4°F to +212°F)"		Hydraulic core puller	Pneumatic core puller	Liquid molds thermal regulation	Air molds thermal regulation
FIRG-Q	✔	✔	✔	—		✔	—	✔	—
A	✔	—	—	—		✔	—	—	—
FL	✔	✔	✔	—		✔	—	✔	—
AX	✔	✔	✔	—		✔	—	✔	—
GRLW10 + FAQ13	—	✔	✔	—		—	—	✔	—
GR + FAP-ZN	✔	—	—	—		✔	—	—	—
GRE	—	✔	✔	✔		—	✔	✔	✔
IRBO*	✔	✔	✔	✔		—	✔	✔	✔
IRBX*	✔	✔	✔	✔		—	✔	✔	✔

Stucchi®

For complete technical information see www.stucchigroup.com
STUCCHI S.p.A. All right reserved. December 2025 **EN**

Stucchi S.p.A.
Headquarters

Via della Lira Italiana, 397
24040 Pagazzano (BG) Italy

stucchigroup.com

Stucchi USA inc.
Romeoville IL
60446, USA
stucchiusa.com

Stucchi (Shanghai) Fluid Power Technology Co., Ltd
201315 Pudong
Shanghai, China
stucchichina.com

Stucchi FCP Pty Ltd.
Dandenong South, VIC
3175, Australia
stucchiaustralia.com

Brendale, QLD
4500, Australia

Malaga WA
6090, Australia

Stucchi Engates Hidraulicos Ltda.
Sorocaba, SP
18080-690, Brazil
stucchibrasil.com.br

Stucchi South Africa Pvt Ltd
Edenglen
1613, South Africa
stucchigroup.com

Stucchi India Pvt Ltd
Bengaluru, Karnataka
560024, India
stucchi-india.com