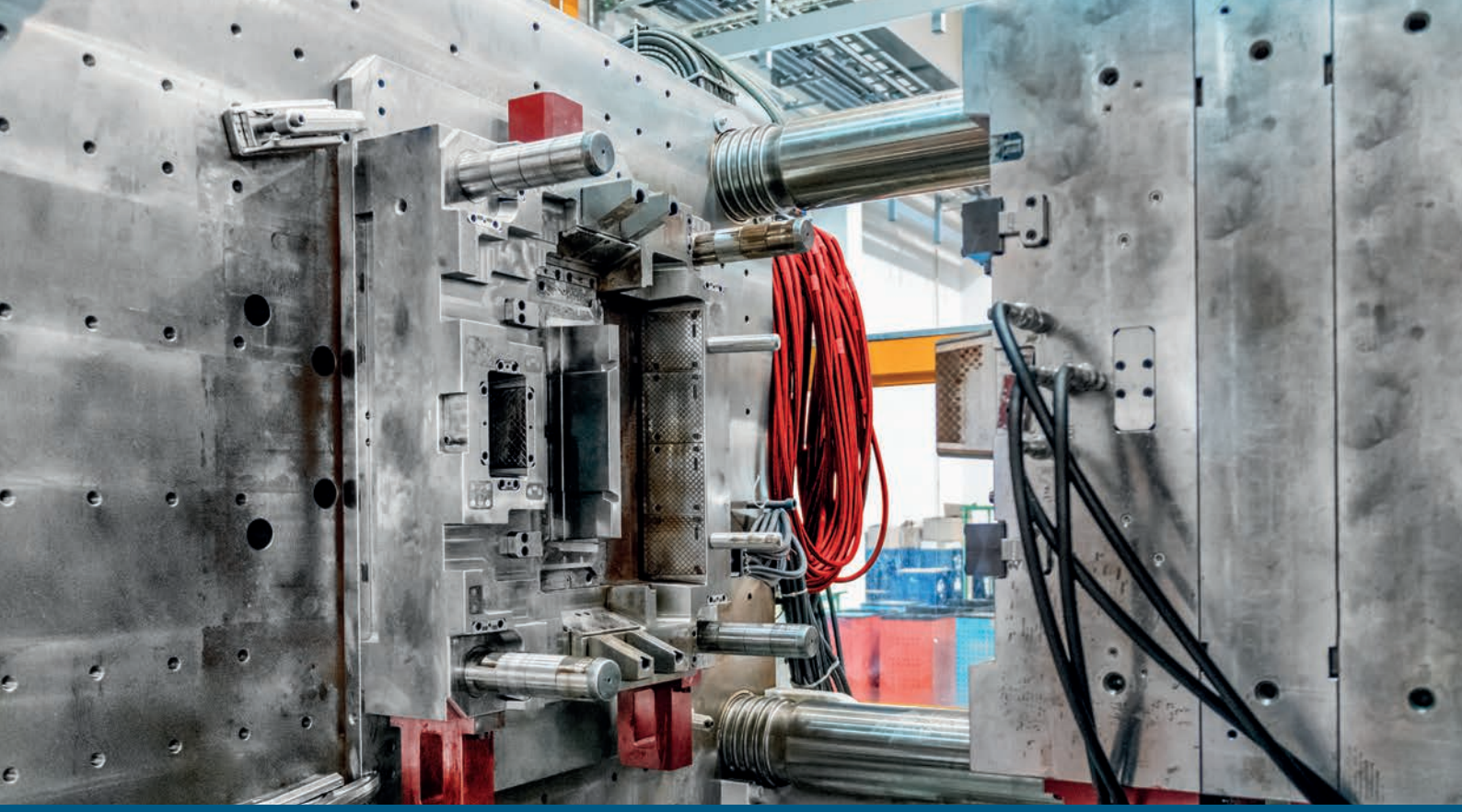


Stucchi®

Solutions for Die Casting applications

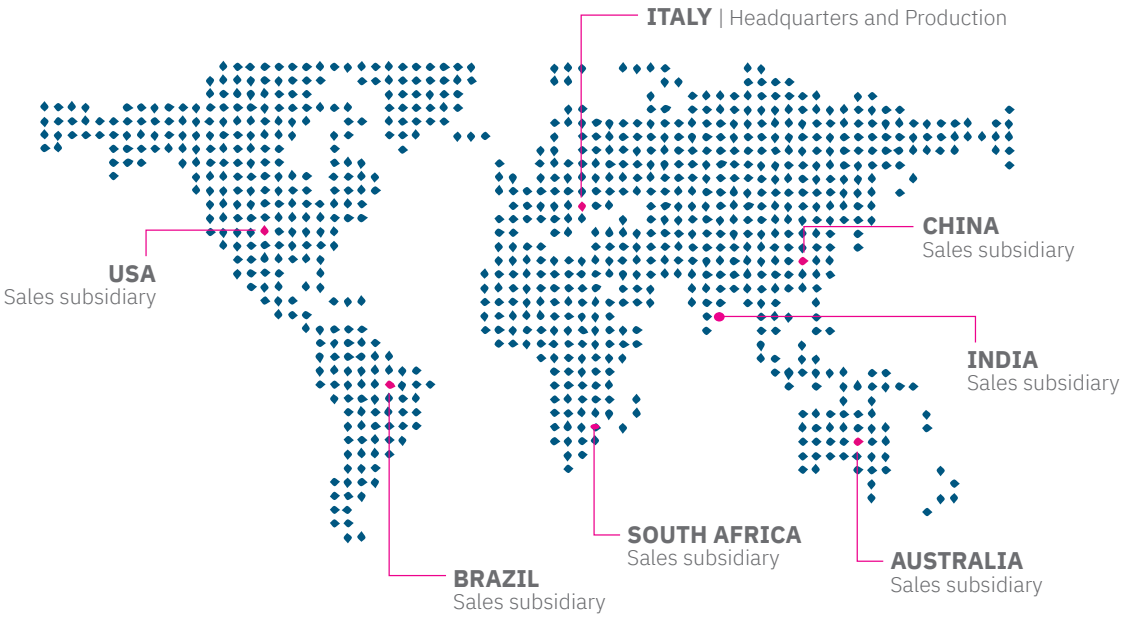
stucchigroup.com

The Company

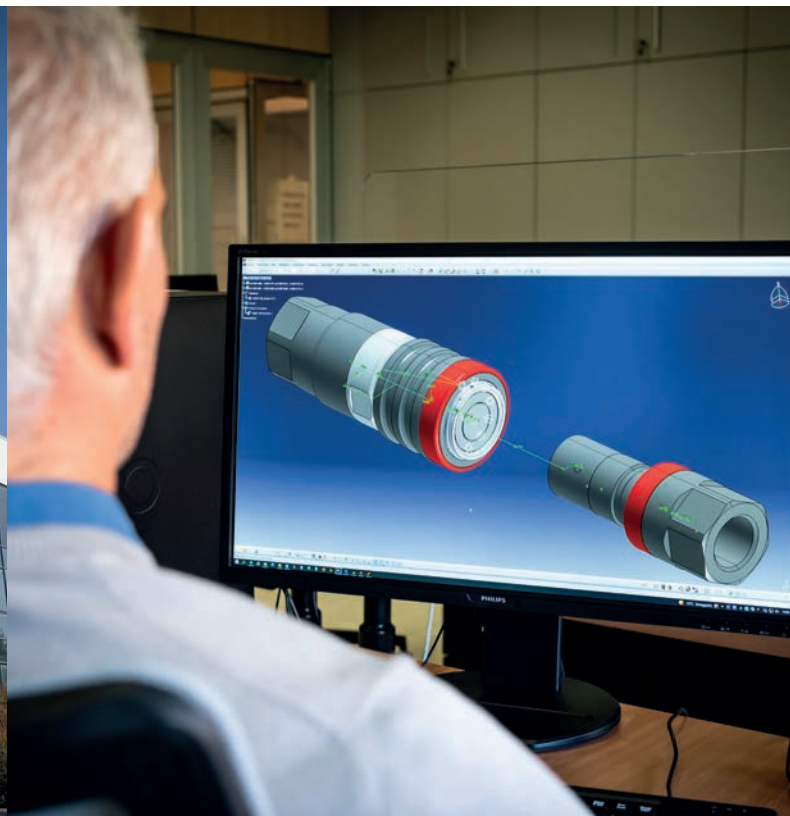
Stucchi was founded in 1960 in Italy and during these dacades has gained a vast experience in the production of quick couplings for fluid transfer.

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







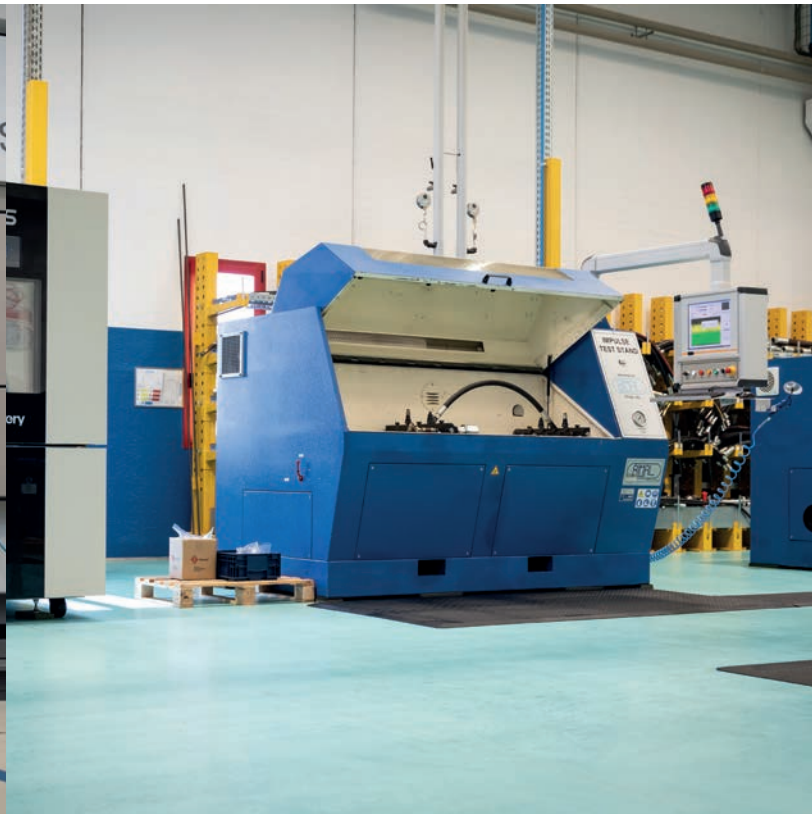
Why Stucchi

· 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





The Stucchi proposition

Stucchi, with over 60 years of expertise in quick couplings, is a trusted partner for fluid management in demanding industrial sectors. Its innovative approach ensures precision, reliability, and high performance in critical applications.
By focusing on quality and durability, Stucchi delivers customized solutions that meet the specific needs of industries worldwide. This commitment has solidified its reputation as a leader in the field.

Core puller

A



VEP-P



GR + FAP-ZN



Molds thermal regulation

FIRG-Q



FL



AX



GRLW10 + FAQ



GRE



IRBX



IRBO



Jet cooling line

IRBO



Cutting machine

A



Transfer furnace

A



Vacuum

IRB-IRBO-IRBX



Stucchi solutions for Die Casting

Thanks to partnerships with top die casting machine manufacturers, Stucchi has developed specialized solutions for this challenging sector. These collaborations drive continuous innovation and ensure advanced product performance.
Stucchi's expertise allows it to address specific industry requirements, offering tailored solutions that integrate seamlessly with modern machinery. Its products support efficient and reliable

Technical notes

	Valving style	Size	Max. 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"	up to 300 bar	up to 1000 l/min	Carbon steel / QPQ + Stainless steel
A	Flat face	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2"	up to 420 bar	up to 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"	up to 350 bar	up to 1000 l/min	Stainless steel
AX	Flat face	3/8", 1/2", 3/4", 1"	up to 350 bar	up to 378 l/min	Stainless steel
VEP-P	Flat face	1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2"	up to 600 bar	up to 1000 l/min	Carbon steel / Cr3
GRLW10 + FAQ13	Flat face	1/2"	up to 20 bar	up to 90 l/min	Body plates in aluminum, couplings in Carbon steel / QPQ + Stainless steel
GR + FAP-ZN	Flat face	from 3/8" to 1" (up to 10 lines)	up to 350 bar	up to 378 l/min	Body plates in brass, couplings in carbon steel / Zn-Ni
GRE	Flat face	3/8", 1/2" (up to 18 lines)	up to 10 bar	up to 90 l/min	Body plates in aluminum, couplings in brass
IRBX [1-2]	Poppet	1/8", 1/4", 3/8", 1/2", 3/4", 1"	up to 250 bar	up to 200 l/min	Stainless steel + Brass
IRBO [1-2]	Poppet	1/8", 1/4", 3/8", 1/2", 3/4", 1"	up to 250 bar	up to 200 l/min	Stainless steel (Retainer in brass)
IRB [1-2-3]	Poppet	1/8", 1/4", 3/8", 1/2", 3/4", 1"	up to 350 bar	up to 200 l/min	Carbon steel / Cr3

[1] Available also with Free Flow version to avoid water stagnation.
[2] Sizes 3/8", 1/2", 3/4", 1" suitable for vacuum applications up to 0,15 bar, only when connected.
[3] For vacuum use IRB products with prefix 89 (tested with air).

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 die casting applications, Stucchi provides products designed for precision and adaptability.
These solutions maximize efficiency and reduce downtime in critical systems.

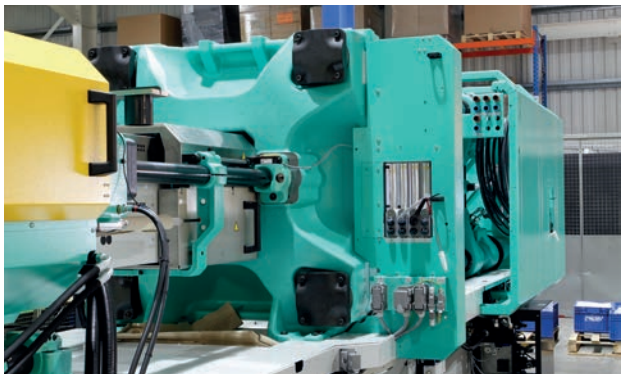
	Media - Sealing - Temperature			Applications					
	Hydraulic oil (power transmission) Nitrile NBR from -20°C to +100°C (from -4°F to +212°F)	Diathermic oil (temperature control) FKM (VITON®) from -15°C to +180°C (from +5°F to +356°F)	Water, water/glycol (liquid cooling) EPDM from -40°C to +150°C (from -40°F to +302°F)	Core puller	Molds thermal regulation	Jet cooling line	Cutting machine	Transfer furnace	Vacuum
FIRG-Q	✓	✓	✓	—	✓	—	—	—	—
A	✓	—	—	✓	—	—	✓	✓	—
FL	✓	✓	✓	—	✓	—	—	—	—
AX	✓	✓	✓	—	✓	—	—	—	—
VEP-P	✓	—	—	✓	—	—	—	—	—
GRLW10 + FAQ13	—	✓	✓	—	✓	—	—	—	—
GR + FAP-ZN	✓	—	—	✓	—	—	—	—	—
GRE	✓	✓	✓	—	✓	—	—	—	—
IRBX [1-2]	✓	✓	✓	—	✓	—	—	—	✓
IRBO [1-2]	✓	✓	✓	—	✓	✓	—	—	✓
IRB [1-2-3]	✓	—	—	—	—	—	—	—	✓

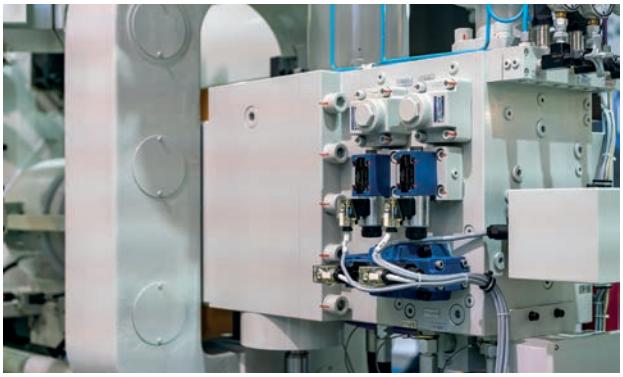
[1] Available also with Free Flow version to avoid water stagnation.
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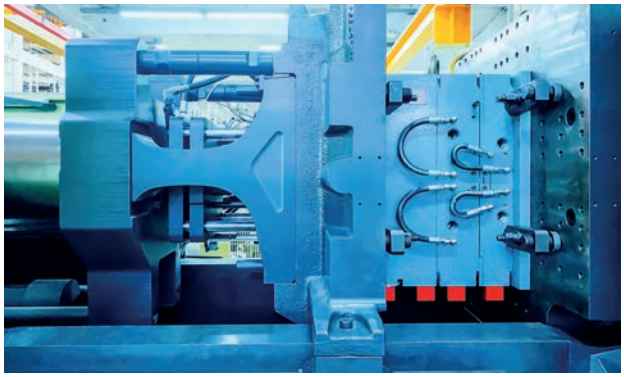
Die casting applications

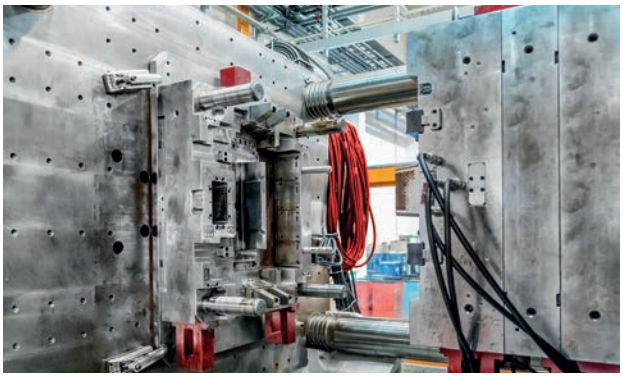
In die casting presses, Stucchi offers connections for thermal management, such as die temperature control, and hydraulic power, like core pullers and ejector pins. These products ensure smooth operations.
Stucchi's innovation and focus on customer needs make it a preferred partner in the die casting industry. Its solutions set new standards for reliability and performance in fluid management.













Stucchi®

For complete technical information see www.stucchigroup.com
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