



THE PERFECT BOND BETWEEN METAL AND PLASTIC

Jesa.
bearing solutions



why choose us?

Benefits for you:

- ✓ Tailored solutions adapted to your application
- ✓ Innovative products with Swiss quality
- ✓ Professional project management
- ✓ A flexible and modern logistics service
- ✓ Simplification of your procurement system thanks to single sourcing

our values

JESA wishes to be the preferred partner for the development and production of high-precision bearings and mechatronic drive units composed of metal and plastic.

Tough challenges require customised solutions.

JESA offers you a complete solution. You benefit from a one-stop solution which saves you time and money.

Quality, Innovation and precision define what JESA is all about.

JESA is successful the world over. With traditional Swiss values, our products and services are rooted in quality and precision. We are constantly innovative, leaving no stone unturned in our response to customers' wishes and requirements.

At home in Switzerland and China. Worldwide market presence.

Swiss quality for the Chinese market too. With our own production facilities in China, we can also ensure high quality and precision engineering from a cost effective manufacturing base. Due to our longstanding experience within the market, JESA can also quickly and accurately react to changing market expectations.

BALL BEARINGS UNITS



OVERMOLDED BEARINGS



our solutions

Description

We adapt our products to your needs, after precisely defining various criteria such as shape, load, materiel, lubrication or even water tightness. Our solutions based on bearings and plastic injection are developed in partnership with our customers.

Process

With rigorous and professional project managment, JESA is able to successfully implement your tailored designs. At JESA, we offer you personalised service and technical support in accordance with certifications ISO 9001 IQNet and ISO-IATF16949.

Technologies

In order to meet completely the needs of our customers and partners, we have a full set of technological tools adapted to every situation. A special seal, a particular exterior profile, an extended lifetime? You'll find it at JESA.

JESA as partner



idea



development



production



delivery

CUSTOM BEARINGS



STANDARD BEARINGS



our products

JESA's core business is the design and manufacture of ball bearings and solutions in any combination of metal, plastic and ceramic based around a ball bearing. Our expertise is the innovative combination of materials and design to deliver cost effective, tailor made, bespoke bearing solutions for customer.

CAPABILITIES FOR BEARING SOLUTIONS

FEATURE	RANGE / DESCRIPTION
Bearing type	Ball, roller and needle bearing, single and double row, hybrid bearing, design with integrated shaft, special designs
Size range of inner bore diameters	3 mm to 60 mm
Size range of outer diameters	6 mm to 90 mm
Bearing materials	Bearing steel 100Cr6, stainless steel, steenox, amagnetic steel, other
Precision class	Up to ABEC 9
Cage materials	Steel, Nylon, PEEK, other
Seal materials	Rubber (NBR, Viton, ACM), steel shields, stainless steel shields, combinations there of
Grease	Standard and special grease to suit application needs
Special profiles	Many special profiles available for inner and outer diameters and widths
Performance targets	Long life, high speed, high load, low vibration, low noise, etc

CAPABILITIES FOR POLYMER OVER-MOLDING

FEATURE	RANGE / DESCRIPTION
Polymer materials	ABS, PA, PBT, PC, PEEK, PEI, PET, PK, POM, PI, PP, PPA, PPS, TPE/TPU, (unreinforced or reinforced for all materials)
Size range	< 2 mm to 200 mm
Profiles	Concave, convex, U channels, and many special shapes to suit applications
Performance targets	Lower weight, vibration damping, integrated functions

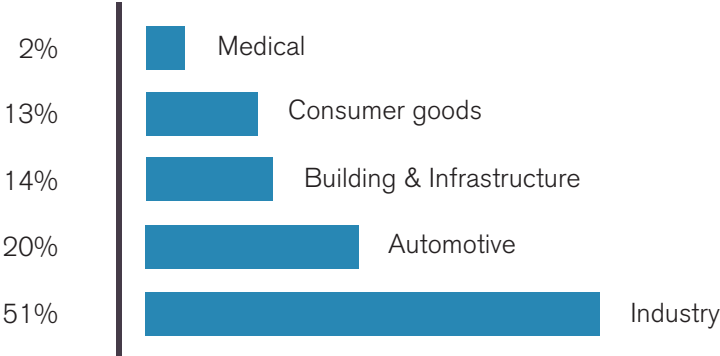
CAPABILITIES FOR ASSEMBLY

FEATURE	RANGE / DESCRIPTION
Materials	Pressings, plates, shafts, nuts
Sub-Assemblies	Can be supplied or sourced for integration



our markets

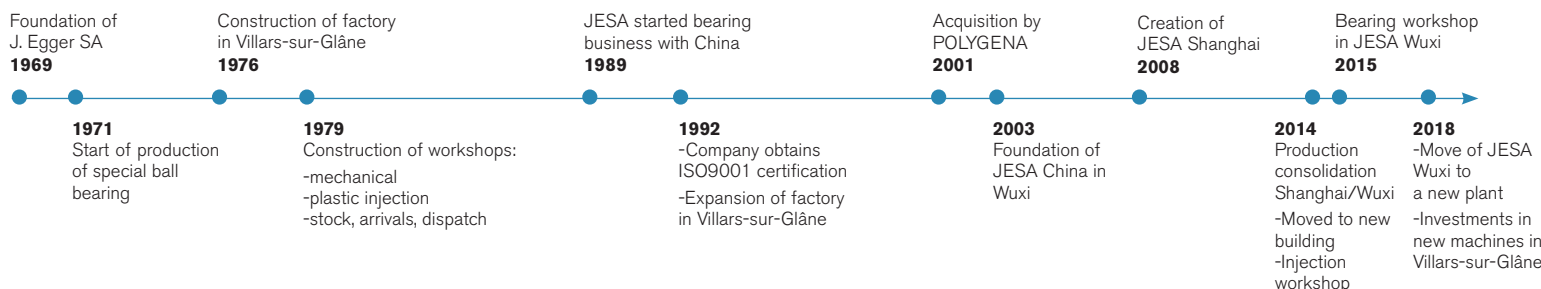
JESA has a unique expertise in the technology and production of integrated ball bearing solutions incorporating a wide variety of materials and production capabilities. This means that JESA products and solutions can be found across a wide spectrum of market segments such as:



about JESA

Founded in 1969 by Mr. Joseph Egger in Villars-sur-Glâne in the Swiss Canton of Fribourg, JESA is currently a limited company belonging to the POLYGENA group and employs a workforce of approximately 300 people.

A specialist in bespoke precision ball bearing solutions and innovative units containing engineering polymers, JESA has been a leading player in this market for 50 years. With a worldwide presence, its turnover is around 50 million Swiss francs. JESA regularly invests in cutting-edge technology production and equipment in order to maintain its operational excellence.



PRODUCTION IN SWITZERLAND



TURNING



GRINDING



HARD TURNING



SUPER FINISHING



PLASTIC INJECTION
WITH AUTOMATION



FLEXIBLE
ASSEMBLY LINE

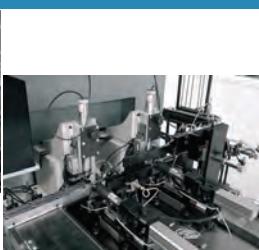
PRODUCTION IN CHINA



GRINDING



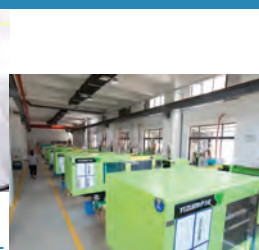
AUTOMATED
ASSEMBLY LINE



AUTOMATIC NOISE
CONTROL



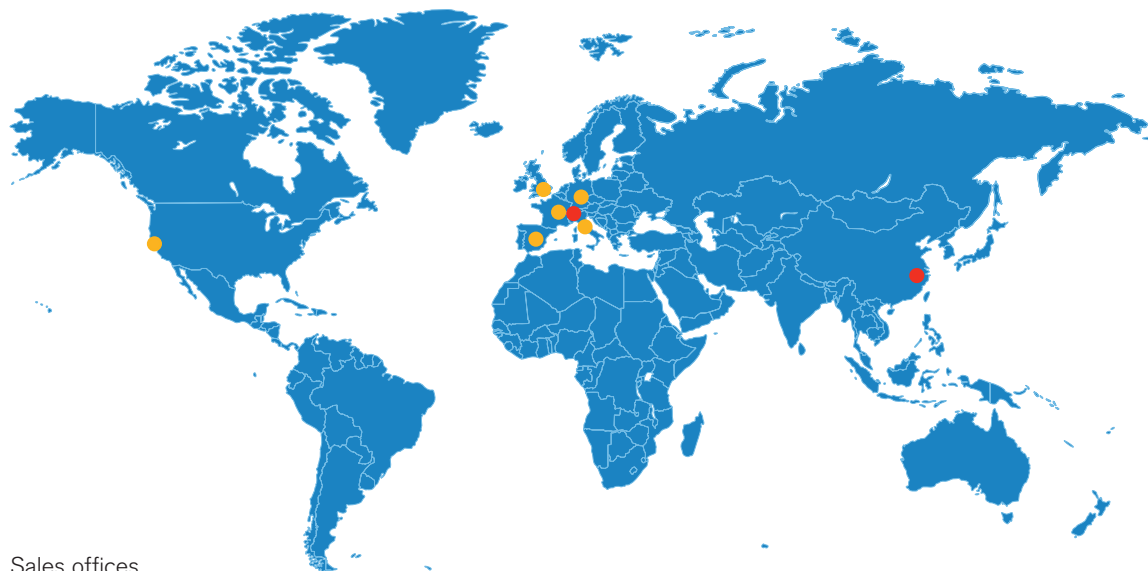
AUTOMATIC
CLEARANCE CONTROL



PLASTIC INJECTION



METROLOGY



- Sales offices
- Production sites and sales offices

Follow us on social medias



in



Twitter



YouTube

our certifications



JESA SA (Switzerland)

Rte du Petit-Moncor 9
1752 Villars-sur-Glâne
Switzerland
Phone: +41 26 408 47 00
info@jesa.com
www.jesa.com

JESA (Wuxi) Co., Ltd

222-1 Chengnan Road
New District, 214028
Wuxi, China
Phone: +86 510 88151555
info@jesa.com
www.jesa.com