

A white humanoid robot with a human-like face and blue eyes is shown from the waist up. It is holding two keys in its right hand, which is extended towards the viewer. The robot's body is sleek and white, with visible joints and mechanical components. The background is a plain, light gray.

SPECIAL TEXTILE BEARINGS

Jesa.
bearing solutions



why choose us?

- ✓ Tailored solutions adapted to your application
- ✓ Innovative products with Swiss quality
- ✓ High Performance and reliability
- ✓ Long lasting collaboration with key players
- ✓ Production facilities in Switzerland and in Asia

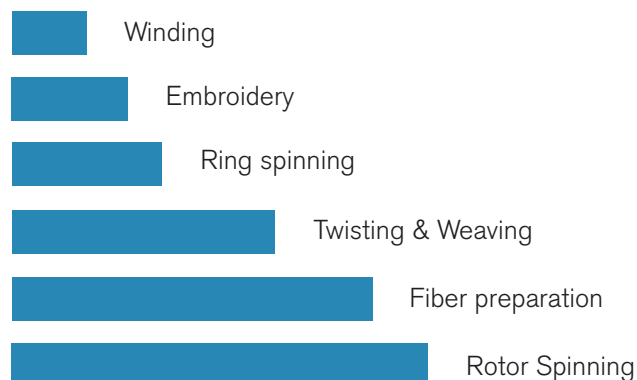


Following its success with its solutions for textile spinning machines, JESA has expanded the application of its 50 years worth of know-how and experience to other textile machines.

The field and textile bearing solutions is a target growth area for JESA.

our presence

JESA textile products can be found in various sectors of the textile industry such as:



our solutions

High Precision

High accuracy, high rotational speed, quiet running, special dimensions, specific heat treatment, various ring and ball materials, custom ball retainers, specific greases.

Metal - Plastic Combinations

The combination of metal/plastic in our solutions provides:

- more design freedom and weight reductions
- a further step towards higher rotating speeds and improved reliability
- one integrated unit leading to a more compact supply chain

Customised Designs

We partner our customers to provide:

- product optimisation
- differentiation in their markets
- long-lasting lubrication
- Form-Fit-Function elements leading to reduced friction and noise
- designs based on a comprehensive selection of engineered polymers
- designs applicable for multiple applications

JESA as partner



idea



development



production



delivery



our products

JESA responds to the most challenging and specialised requests from the marketplace by creating tailor-made designs resulting in high quality bespoke products, often incorporating metal, ceramic and plastic. These perfectly integrated product solutions can be offered in a huge variety of formats to serve a wide variety of high precision applications.

CAPABILITIES FOR BEARINGS

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
Precision class	Up to ABEC 9
Cage materials	Steel, Nylon, PEEK, teflon, etc.
Seal materials	Rubber (NBR, Viton, ACM, other), steel shields, stainless steel shields, etc.
Grease	Standard and special grease to suit the application
Performance targets	Long life, high speed, high load, low vibration, low noise

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
Performance targets	Lower mass, vibration damping, integrated functions

CAPABILITIES FOR ASSEMBLY

FEATURE	RANGE / DESCRIPTION
Materials	Pressings, plates, shafts, nuts



our references

Some of the leaders of the textile industry trust us for a long time:

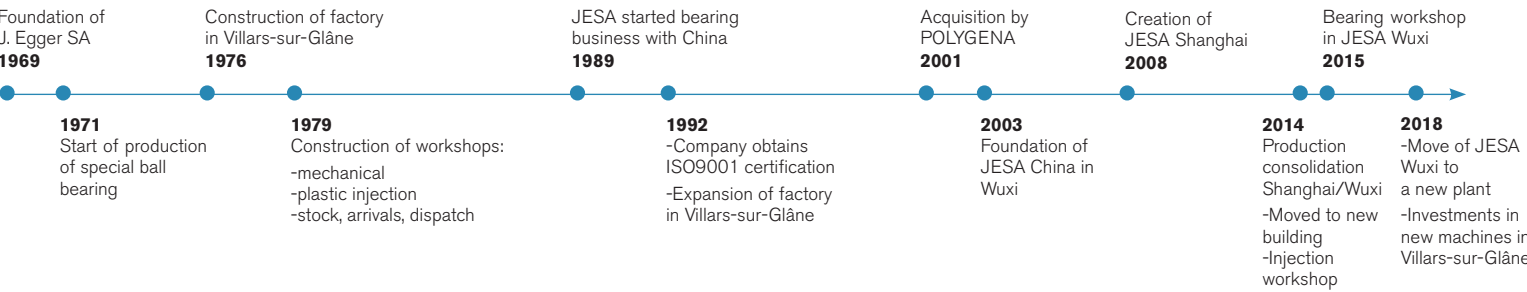


our certifications



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

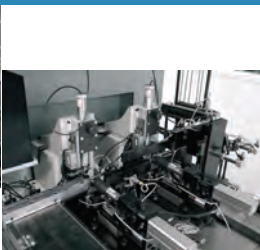
PRODUCTION IN CHINA



GRINDING



AUTOMATED ASSEMBLY LINE



AUTOMATIC NOISE CONTROL



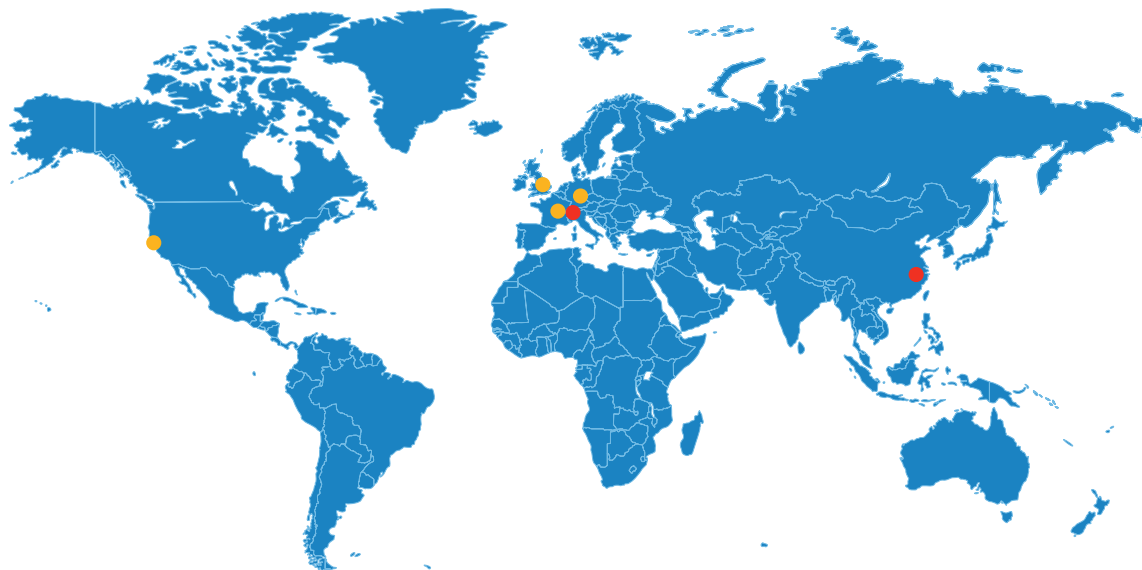
AUTOMATIC CLEARANCE CONTROL



PLASTIC INJECTION



METROLOGY



- Sales offices
- Production sites and sales offices

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