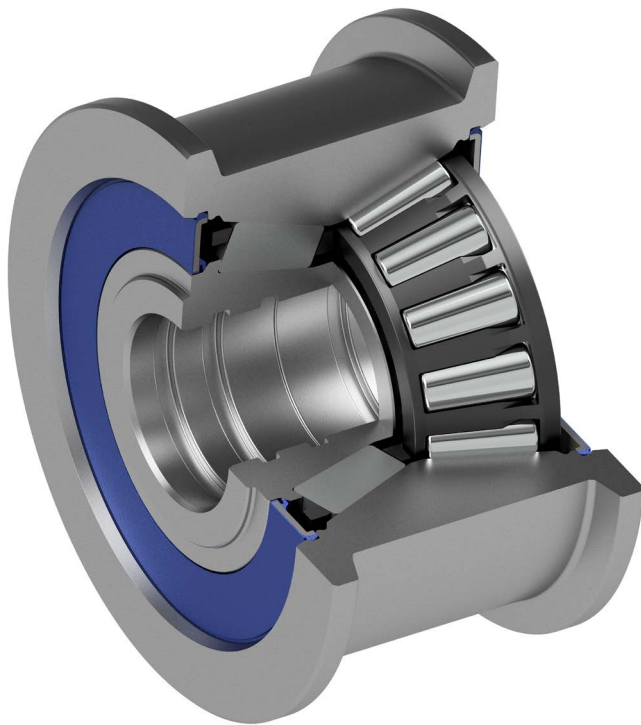


A white humanoid robot with a friendly expression is shown from the waist up. It is holding two metal track rollers, one in each hand, with its fingers. The robot's body is sleek and modern, with visible joints and mechanical components. The background is a soft, out-of-focus grey.

TRACK ROLLERS

Jesa.
bearing solutions



why choose us?

- ✓ Standard and customized solutions adapted to your applications
- ✓ High performance and reliability
- ✓ Optimized design for high load and extended lifetime
- ✓ Production facilities in Switzerland and in Asia
- ✓ A flexible and modern logistics service
- ✓ Simplification of your procurement system thanks to single sourcing

our offering

- Special designs according to requested geometries, loads, materials, coatings and sealings
- Unique expertise in the alloying of bearings with engineering polymers
- Analyse and valorize the needs and requirements of our customers
- Quality and precision guaranteed for our products and services

Design

Unique designs developed together with customers

Choice of materials

- Steel
- Stainless steel
- Steenox
- Cronidur®30

Sealing

- Choice of different materials
- Optimized design (with or without friction, double seals, cover)

Lubricant

- Food grade
- High and low temperature
- Solid oil

R&D - Engineering

Analytical calculations and analysis, FEM simulations, test and validations

Complementary products and complete units

Supply of complementary products: shaft, flange, sleeve, gearwheel, cover and combination

our solutions

High requirements

We offer a complete range of high performance products to address the most demanding applications: High load, high reliability, high level of sealing.

Customized solutions

We offer standard and customized solutions with a wide range of materials (steel, stainless steel, Cronidur®30,...), of coatings (PVD, Zn, Cr,...) and of engineering polymers.

Custom profiles

Our engineers can adapt or enhance existing designs or create totally new designs based on your specifications.

Metal - Plastic combinations

Our expertise in bearing technology and plastic injection enables us to offer innovative solutions combining metal and technical polymers. This know-how allows us to develop clever solutions that reduces noise, weight and vibrations, while increasing service life and overall reliability.

JESA as partner



Innovation



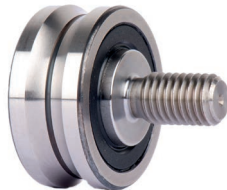
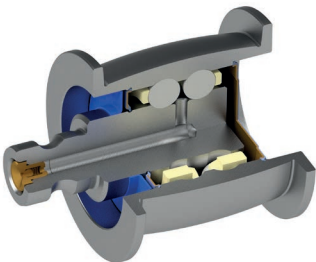
Engineering



Production



Supply Chain

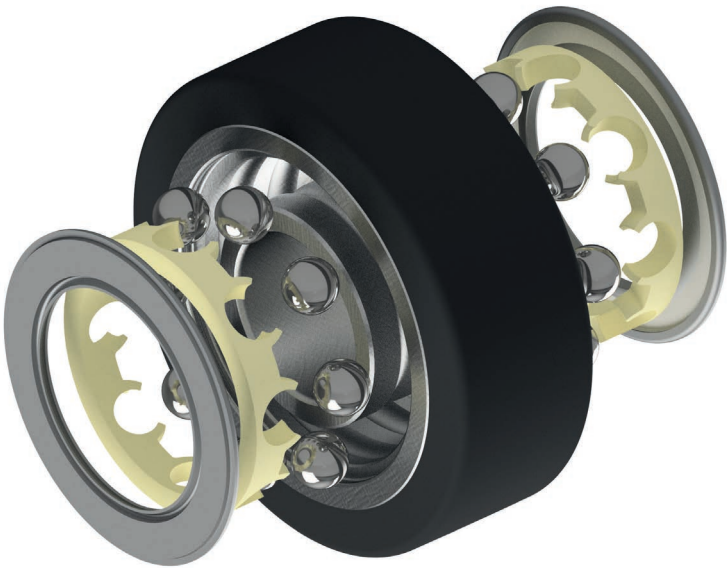


our products

Jesa is always ready to take on new design challenges. Our engineers study all inquiries and analyze all specifications in the shortest possible time, with the highest standards and a constant concern for costs.

CAPABILITIES FOR TRACK ROLLERS

FEATURE	RANGE / DESCRIPTION
Bearing types	Ball bearing, roller bearing, tapered roller bearing, needle bearing, single and double row, high accuracy bearing, miniature bearing
Product types	Steel track roller, plastic overmolded track roller, bearing + plastic unit, custom unit
Size range of inner bore diameters	Up to Ø60mm
Size range of outer diameters	Up to Ø140mm
Ring materials	Bearing steel, stainless steel, Steenox, Cronidur®30 and other special materials
Precision class	Up to ABEC 7
Cage materials	Steel, stainless steel, brass, polyamid, PEEK, TORLON® PAI and others
Seal materials	Rubber (NBR, FPM, ACM), steel shields, stainless steel shields, combinations
Lubricants	Standard and special grease, food grade lubricant, solid oil and other options on request
Engineering polymers for bearing overmolding	PEEK, POM, TORLON® PAI, PA XX, PPA, PPS, PEI, PBT, PC, PK, ABS, TPE/TPU, PUR
Special profiles	Many special profiles can be designed for outer and inner rings
Coatings and treatments	Hard chrome, PVD deposition, Corrotect®, galvanic protection, black chrome, Balinit®C
Performance targets	High load, perfect run-out, impact resistance, highest lifetime, perfect sealing, high wear resistance



our applications

- Industry
- Automation
- Robotics
- Packaging
- Linear guidance
- Woodworking
- Textile
- Automotive
- Food
- Beverage
- Medtech
- Building
- Furniture
- Material handling
- Printing
- Intralogistics

our certifications



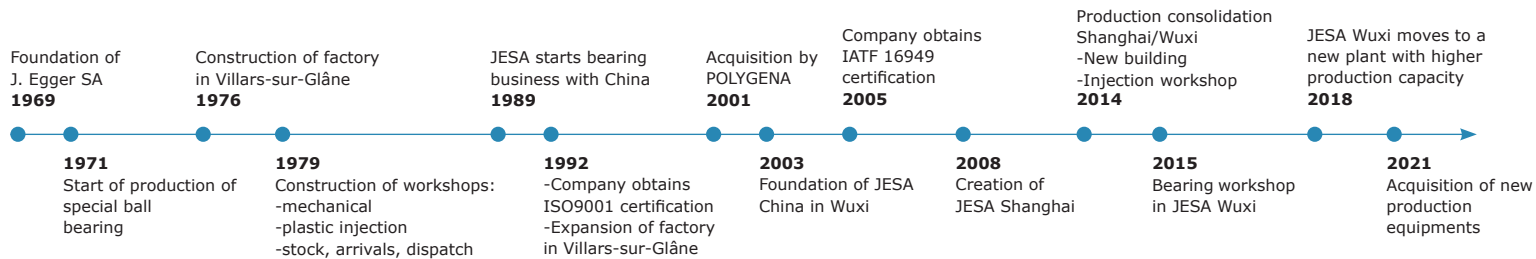
MADE IN SWITZERLAND



about JESA

Founded in Switzerland in 1969 by Mr. Joseph Egger in Villars-sur-Glâne (Canton of Fribourg), JESA is now a worldwide leading player in the bearing market. The company belongs to the POLYGENA group and employs a workforce of approximately 300 people.

JESA is specialized in the design, development and production of custom bearings and integrated bearing assemblies. Thanks to its huge expertise in bearings and plastic injection molding, Jesa is a partner of choice in a wide range of applications and in many industrial fields.



PRODUCTION IN SWITZERLAND



TURNING



GRINDING



HARD TURNING



SUPER FINISHING



PLASTIC INJECTION
WITH AUTOMATION



FLEXIBLE
ASSEMBLY LINE

PRODUCTION IN CHINA



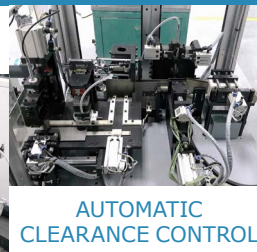
GRINDING



AUTOMATED
ASSEMBLY LINE



AUTOMATIC NOISE
CONTROL



AUTOMATIC
CLEARANCE CONTROL



PLASTIC INJECTION



METROLOGY



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