

JAKOB ANTRIEBSTECHNIK — DRIVE TECHNOLOGY

Servo Couplings & Safety Couplings, made in Germany

Supplied in Southeast Asia by ISA Technology Pte Ltd — Singapore, est. 1990

For over 50 years, family-owned JAKOB Antriebstechnik (Kleinwallstadt, Germany) has been the name behind the metal bellows coupling — a product they invented. Today, JAKOB precision components connect and protect machines in more than 40 countries, from semiconductor equipment to automotive press lines.

METAL BELLOWS SERVO COUPLINGS

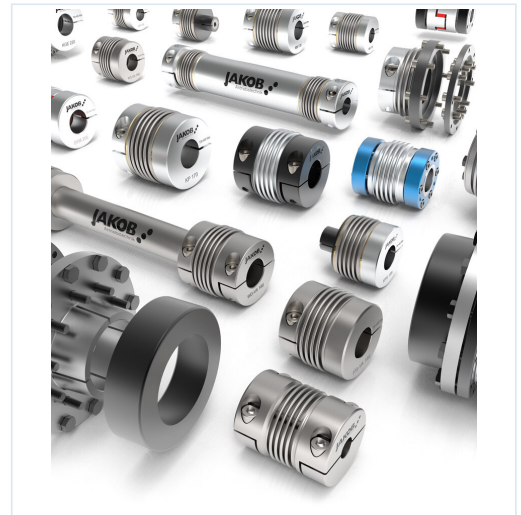
Zero-backlash shaft connections for precise motion

Where they work

CNC and precision machine axes, ballscrew and servo drives, winding and spooling machinery, semiconductor equipment, robotics and automation.

Why customers choose them

- Zero backlash, torsionally stiff — motion stays exact
- Forgives shaft misalignment without vibration or wear
- 0.4 to 65,000 Nm · up to 30,000 rpm high-speed versions
- Maintenance-free all-metal design, up to 350 °C
- Stainless steel versions for cleanroom and semiconductor use



SAFETY COUPLINGS

A mechanical fuse for your drivetrain

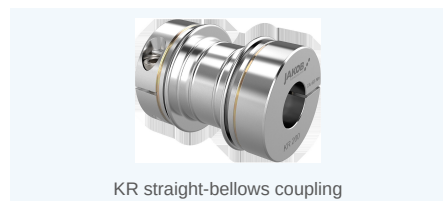
When a machine jams, all the motor's force has nowhere to go — and the most expensive part in the drivetrain breaks. A JAKOB safety coupling disengages within milliseconds at a preset torque, the machine stops, and after clearing the jam it resets in seconds. No tools, no damage.

Protects

Ballscrews, gearboxes, servo motors and spindles on machine tools, packaging lines, automation and test rigs.

Advantages

- Factory-set trip torque, 0.1 to 100,000 Nm
- Ball-detent principle — precise, repeatable, wear-resistant
- Reset in seconds; direct and indirect drive versions



KR straight-bellows coupling



SKB-EK direct-drive safety coupling



Safety coupling with bellows attachment

Also from JAKOB: power clamping technology up to 500 tonnes — ask for our clamping technology flyer.

Interested? Request a quotation or further product information

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