

Integrated Feeding Systems

A close-up photograph of a metal feeding system component, likely a hopper or feeder, showing a series of metal rings or pellets being fed into a narrow channel. The background is blurred, showing other parts of the machinery.

Feeding Technology

Integrated Feeding Systems

www.ifsys.com

Delivering parts at high rates with minimal error and maximum protection.

Our goal for every Feeding System

Innovation, Step by Step

The demands in mass production are constantly increasing. Shorter production time and more frequent lot changes mean conversion of production, more sensitive material and coating. All these new developments require innovative solutions in the field of Automated Parts Feeding Systems.

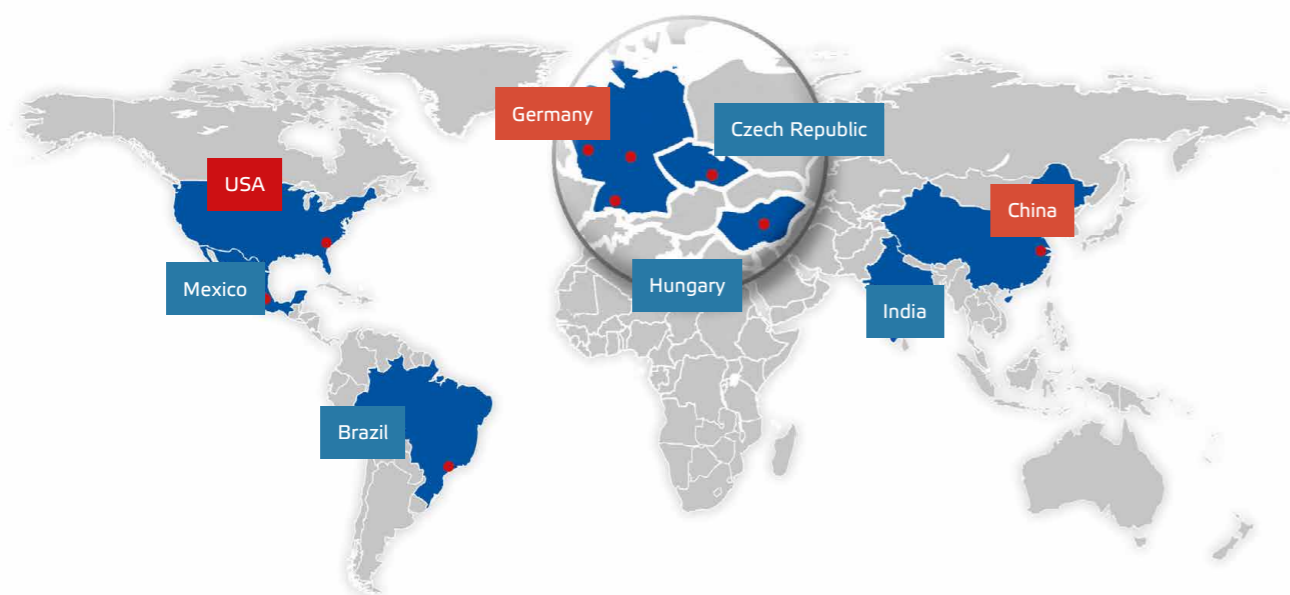
IFSYS has the ability to adapt in the ever changing environment of the automation industry. No matter whether bars, balls, screws or entire subassembly systems need to be part of the production, IFSYS offers an optimum solution for each requirement.

Development · Production · Service

// Quote & Locations

CONSULTATION	Personal on-site discussions. Assistance in the selection of a suitable Feeding System
PLANNING	Development & Design, Documentation according to 2006/42/EG, and Programming/Process of Preparing Timelines
PRODUCTION	Products for storage, feeding and presentation, including various system components
ASSEMBLY	Installation of new Feeding Systems and remodeling of existing Feeding Systems
SUPPORT	Preventative maintenance and spare parts to ensure production longevity and stability

IFSYS has global presence on three continents, allowing for direct contact with a Feeding Technology specialist nearest to customer's locations. As a part of the JOPP Group, IFSYS can serve the diverse needs of global customers.



// Products



IFSYS is a medium sized company that develops and produces custom machines to handle bulk materials and parts feeding throughout the manufacturing and automation industry.

Our core products are parts Feeding Systems. Our Feeding Systems are of the highest quality, with great performance, yet very competitive in price.

We are not limited to parts Feeding Systems alone, as we offer a wide array of automation products and services. Our products include, but are not limited to, palletizing, conveying, quality and dimensional checking, robot cells and integrating simple and complex automated systems.

- Personal advice on site
- Encompassing range for the Feeding Technology
- Flexibility in customized machinery
- Intense and short-term care before, during and after an order
- ISO 9001: 2008 and ISO 14001: 2004 certified
- 4,000 m² production area at our German headquarters



// Linear Feeding System: **VIBROLINER®**

VIBROLINER®

- Allows for most feeding rates and part variants
- All orientation track machine parts are reproducible for replacement
- Sorting tracks are exchangeable or adjustable, either partial or complete
- Reduced part transition heights allow for minimal part damage
- Linear Feeding Technology mitigates the occurrence of jamming
- Vibration adjustments available in a wide spectrum of frequency ranges

The Vibroliner is the heart of the technology at IFSYS. Thanks to a wide variant of sizes and many integration options, the use of Vibroliners in our Feeding Systems is the basis for optimum quality and reliability in part feeding. (A Vibroliner is a vibratory linear conveyor. The Vibroliner uses a pulsating electromagnet to pull against the force of flat springs in order to vibrate the surface of the conveyor.)

With the use of a Vibroliner, parts feeding is gentle and quiet. Compared to other linear vibratory conveyors, the Vibroliner has a low profile as well as the ability to utilize exchange tooling.

// Feeding System: **Step Feeder**

STEP FEEDER

- Technology that has been proven in time to be rugged and reliable
- Inherent in the design, Step Feeders remove small foreign debris
- Large varieties of parts can be fed, including complicated, large, heavy, and fragile
- Allows for high feeding rate with low noise pollution
- Quick startup and shutdown for ease of part model changes
- Variable discharge heights to ensure compliance with ergonomic filling heights
- Integrated hoppers available with quick emptying ability

The Step Feeder is one of the Feeding Systems that is most widely used. It's used primarily for pre-sorting and dosed loading of our IFSYS-VIBROLINER®.

The IFSYS Step Feeders as well as our other Feeding Systems are sophisticated by their design, optimal feeding rate, and high reliability. A gentle handling of the conveyor components and the lowest possible noise level are just at the center as well as the fulfillment of specific requirements.



Counterfeit Discharge



Oil pan



Exchange Tracks



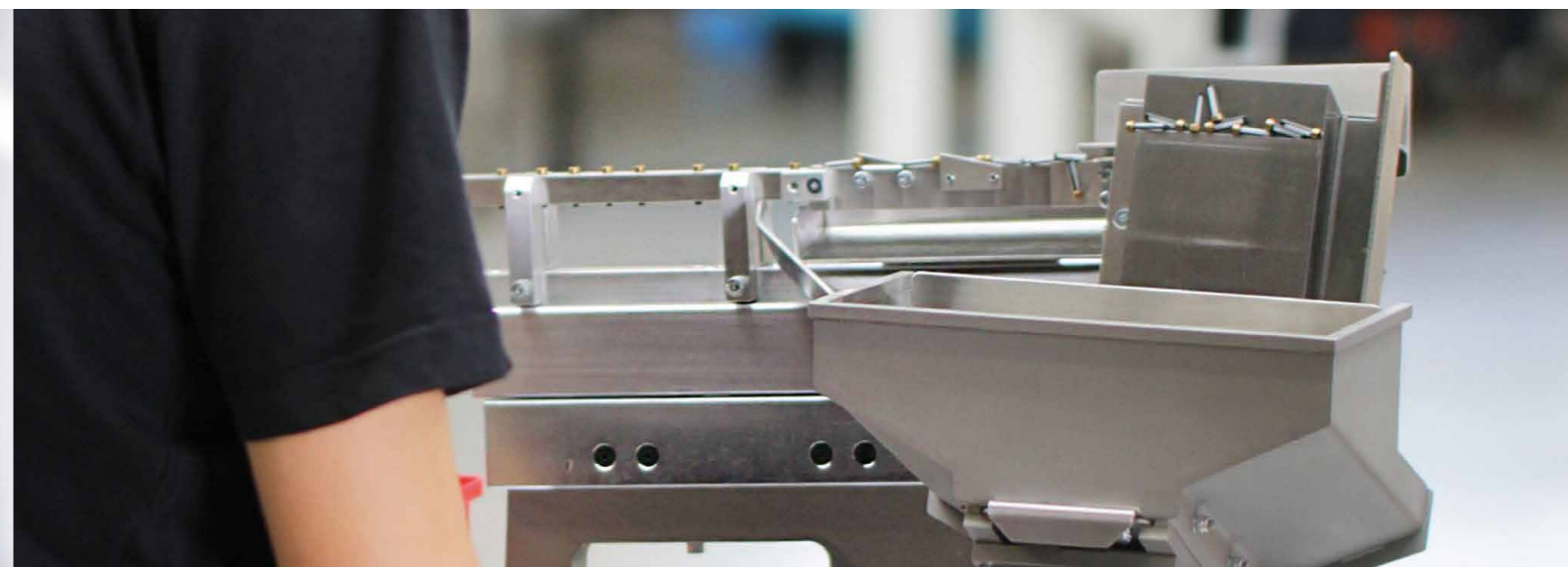
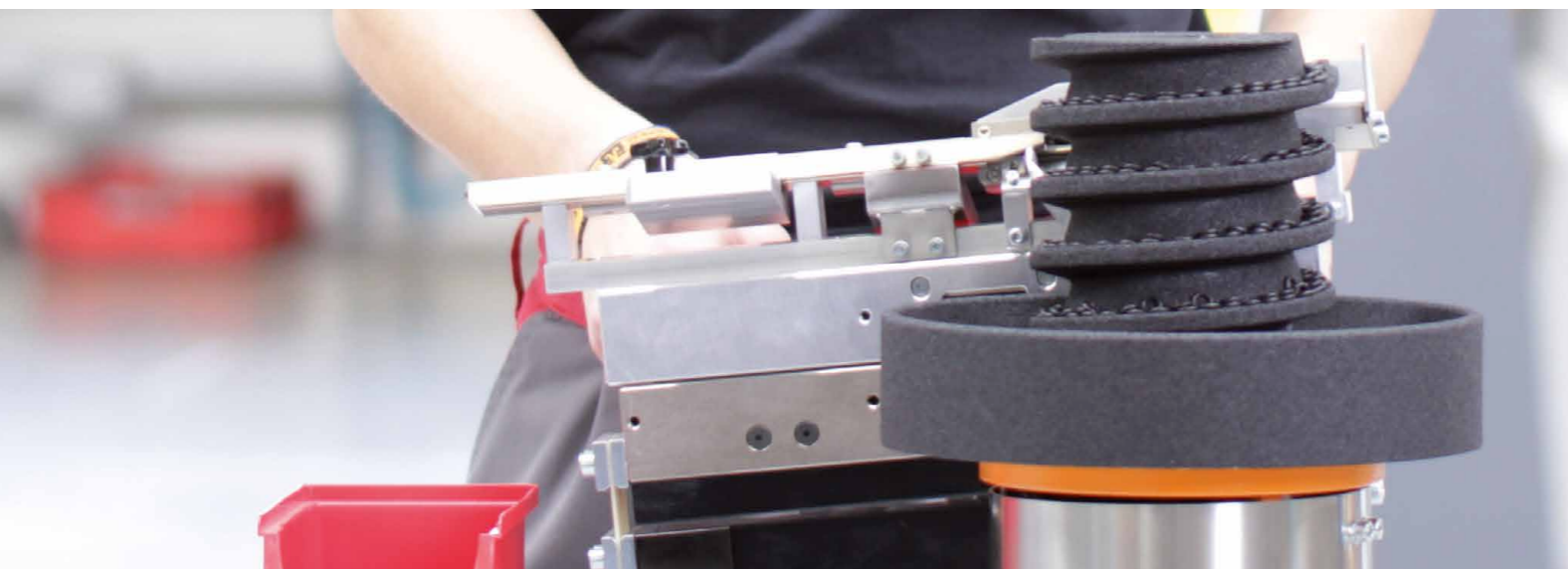
Serrated Slides



Debris Discharge



Fast Emptying



// Feeding Systems

// Feeding Systems: Accessories

PIPE AND BAR FEEDING SYSTEMS

The IFSYS Pipe and Bar Feeding Systems are adjustable for practically all diameters and lengths and are equipped with a variety of testing options.



BALL FEEDING SYSTEMS

The IFSYS Ball Feeding Systems are designed for balls with a diameter from of 3.9 to 24 mm (other diameters upon request) and can handle up to 360 parts per minute.



SPIRAL FEEDER SYSTEMS

The IFSYS Spiral Feeder elevates parts in a continuous circular motion to a Vibroliner for linear sorting. This allows for high feeding rates of virtually all bulk parts.



STORAGE SYSTEMS

The IFSYS Storage Feeding Systems allows for the manual loading of multiple lanes or magazines. This type of Feeding System allows for gentle feeding of heavy and large parts that would otherwise be unable to feed automatically.



LIFT SYSTEMS

The IFSYS Lift System allows for feeding of parts at heights greater than the Step Feeder can elevate. This allows the execution of our Feeding Technology at virtually any height while maintaining gentle handling of the parts.



PALLETIZING SYSTEMS

The IFSYS Palletizing System can be customized to accommodate most cycle times and execution heights. These systems can handle most containers and product types while maintaining extremely low noise pollution.



IN FEEDING ACCESSORIES

MANUALLY OPERATED BY TILTING

ELECTROMECHANICAL TILTING SYSTEM

HOPPER WITH DUMP

CONVEYOR HOPPER WITH QUICK DISCHARGE

LOADING AND UNLOADING SYSTEMS

DETANGLING SYSTEMS

END EXECUTION ACCESSORIES

SINGLE LANE ESCAPEMENT WITH PARTS INSPECTION

MULTIPLE LANE ESCAPEMENT

HANDLING

TURNTABLE WITH INSPECTION

BLOW FEEDING WITH COMPRESSOR TECHNOLOGY

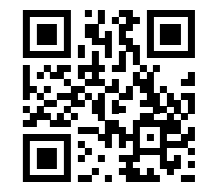
CAMERA AND IDENTIFICATION SYSTEMS

ENGINEERING, SOFTWARE DEVELOPMENT AND SWITCHGEAR CONSTRUCTION

LINEAR FEEDER VARIANTS

SOUNDPROOFING SYSTEMS

More Information about our Products
online at: www.ifsys.com



// Applications

// Service



For examples of feeding applications throughout the automation industry, please visit our website: www.ifsys.com



We are there. For Machine & People

Competent and comprehensive service from design to installation and commissioning

Assistance in choosing the most suitable system for high performance and reliability

Product design in accordance with customers specifications

Training of operating and maintenance personnel

Conversion of existing Feeding Systems to an upgraded version of Feeding Technology

Assistance with preventative maintenance and spare parts procurement

Consultation. Commissioning. Training. Remodeling. Maintenance

Satisfied customers who rely on IFSYS Feeding Technology:

ABB	John Deere
AUDI	Johnson Controls
BMW	KIA
Bosch Rexroth	Kuka
Bosch Siemens Hausgeräte	L`Oréal
Bosch	Osram
Brose	Porsche
Chrysler	Procter & Gamble
Continental	Scania
Daimler	Siemens
Denso	Skoda
EATON	Thyssen Krupp
Fiat	TRW
Ford	Volvo
GM/OPEL	Volkswagen
INA Schaeffler	ZF Friedrichshafen



IFSYS Integrated Feeding Systems GmbH - Germany

Am Weißen Kreuz 5 Tel.: +49 (0) 9766 / 94 00 98-0 contact@ifsys.com
97633 Großbardorf Fax: +49 (0) 9766 / 94 00 98-199 www.ifsys.com

IFSYS North America, Inc. - North America

2240 Hwy 292 Tel.: +1 .864.472.2222 info@ifsys.com
Inman, SC 29349 Fax: +1 .864.472.2232 www.ifsys.com

Jopp Technology (Suzhou) Co., Ltd. - IFSYS China

3# plant, No. 96 Weixi Road
Suzhou Industrail Park Tel.: +86 512/6936-2799 china@jopp.com
215122 Suzhou, Jiangsu Province Fax: +86 512/6936-2797 www.jopp.com

www.ifsys.com