



Coperion Extruder Spare Parts Service. **Reliable and efficient systems with high quality Coperion spare parts.**

»» We know our machines and each individual part. That's why you can trust our spare parts service.

Service means more to us than simply stopping by to repair equipment. Routinely serviced machines and plants operate more reliably over a longer period of time. What is more, we are continually incorporating new innovations into our machines and components which boost performance and output. Thus our Service Division offers services and parts to ensure our customers can operate their Coperion equipment with confidence. We know our machines and each individual part - that's why you can trust our spare parts service.

Coperion's commitment to our customers drives us to ensure the availability of spare parts. We know the quality and availability of spare parts can significantly impact production downtimes. Original spare parts, manufactured in our own facilities, ensure maximum reliability and efficiency in operation. We provide the highest level of service to ensure optimal systems functionality.

Customer Challenge	Impact	Coperion Offerings
Wear and tear	Decrease of efficiency	Spare parts / Wear analysis
Limited experience with Coperion machines/systems	Increased downtime, decrease of efficiency	Coperion know-how
Lack of spare parts	Increased downtime	Predictive parts planning
Obsolete parts	Increased downtime	Obsolescence management and modernization kits
Fast service needed onsite or remote	Increased downtime	Coperion organization with over 30 locations worldwide
Unexpected damage	Downtime	Coperion hotline (24/7) Remote support Emergency stock (limited to agreements)

› EXTRUDER ASSEMBLY AT COPERION, STUTTGART



» Predictive Maintenance

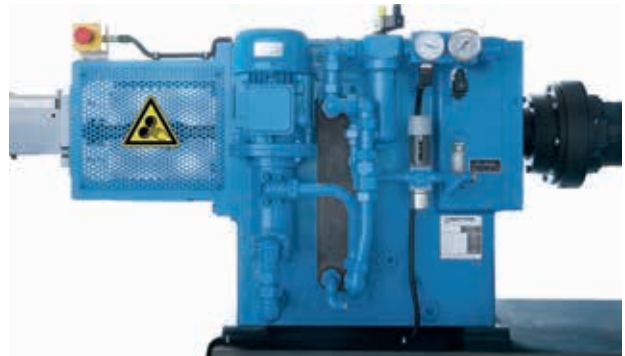
With predictive maintenance Coperion can help customers plan for the overall performance and lifetime of individual components and the entire extruder. Decades of experience and state-of-the-art technology makes it possible for us to help you:

- › Increase equipment and plant lifetime
- › Increase productivity
- › Foresee unexpected damages
- › Increase reliability
- › Reduce maintenance of critical parts
- › Decrease costs
- › Improve planning of overhauls
- › Decrease downtimes



Wear diagnosis with Coperion barrel bore measurement system, including photos and HD video.

- › Precise measurement of barrel bore and outer diameter of screw set (wear ratio)
- › Analysis of discovered defects with detailed report



Gearbox vibration monitoring

- › Gearbox retrofitted with sensors to monitor vibrations
- › Vibration data stored in a database
- › Detection of anomalies
- › Analysis, countermeasures and evaluations provided

Overall Equipment Effectiveness (OEE) - State-of-the-art control system offers transparent plant visualization

Overall Equipment Effectiveness (OEE) represents the improved availability of our extruders through routine maintenance, best possible performance of the system without any limitations, and high quality technical solutions for all Coperion extruders and systems. Coperion offers an OEE App that provides machine monitoring by displaying the machine's overall efficiency to the entire involved production staff.

It includes performance, availability and quality parameters. On this basis, the App provides an extensive, automated evaluation and visualization of the corresponding operational data, leading to increased transparency in production whereby problems such as maintenance backlogs can be identified early. Downtimes are classified into categories to facilitate specific technical or organizational solutions.



› OEE APP AS PART OF COPERION'S C-BEYOND DIGITAL SOLUTIONS



› SYSTEM RELIABILITY WITH HIGH QUALITY SPARE PARTS

Original Spare Parts

All moving machine parts suffer from wear and tear. To help ensure top performance of your extruder, Coperion produces and supplies a comprehensive number of original replacement and spare parts. You can rely on the quality and reliability of a Coperion extruder: all parts are genuine Coperion parts and a large number is readily available from stock. For critical parts, Coperion manages a dedicated emergency stock.

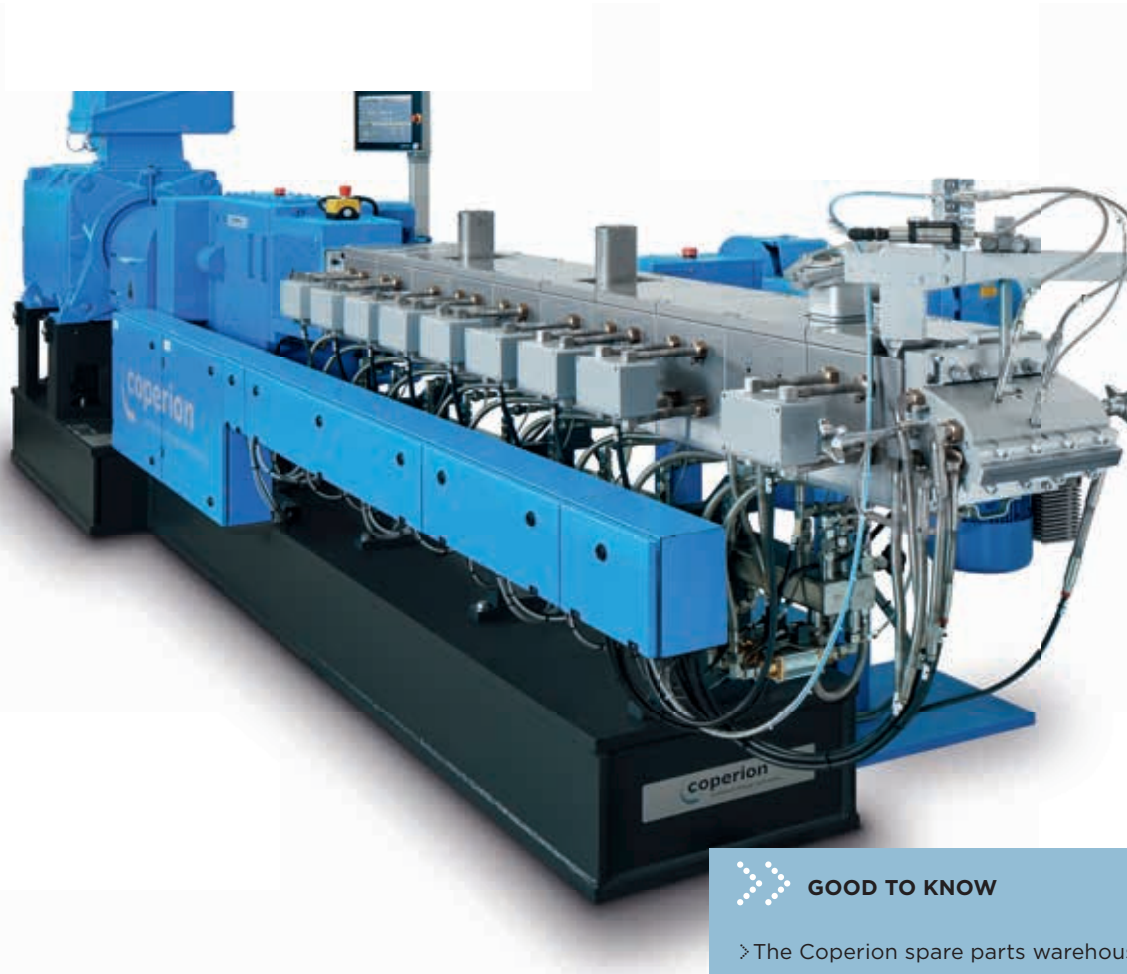
Our service offerings

- › Consultation in the selection of spare parts
- › Start-up kits for new Coperion extruder installations
- › Custom-made individual spare parts
- › Original replacement and spare parts
- › Worldwide delivery
- › Warranties with all spare parts and overall equipment ownership

Gearbox Exchange Program

Our service offerings

- › Repair or exchange of damaged gears at one of our gearbox repair shops
- › Speed changes or upgrades
- › Upgrade or retrofit of lubrication and oil cooling systems
- › Replacement of obsolete gearbox with a new state-of-the-art design



GOOD TO KNOW

- › The Coperion spare parts warehouse is one of the largest in the industry with more than 48,000 parts in the database. These include both original Coperion spare parts and parts from other suppliers.
- › We support short delivery times and 24-hour express delivery for parts in stock.
- › Emergency stock available for fast replacement of key components
- › Supply of alternatives for parts which are no longer available

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For more information about the worldwide Coperion network, visit www.coperion.com