Extrusion
Drive solutions from one source for extruder screw drives

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Answers for industry.
Are you looking for a time- and cost-saving complete solution for your extruder screw drive?

Then take advantage of our system-based portfolio: our well-proven geared motors with extruder flange and the modular SINAMICS G120 inverters – for perfect interaction in the sense of Integrated Drive Systems.

The advantages of a complete solution at a glance:
- Perfect interaction of all components
- Reduced engineering costs
- Lower installation costs
- Faster commissioning

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<th>FAE.88B</th>
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<tr>
<td>Max. power (kW)</td>
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<td>Min. ratio</td>
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<td>Max. ratio</td>
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<td>Max. torque (Nm)</td>
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<td>Max. axial forces (kN)</td>
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<td>Extruder screw ø (mm)</td>
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<td>–</td>
<td>–</td>
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Extruder screw extraction only to the front

Extruder screw extraction to the front and back
Flexible and powerful geared motors

From the lower up to the medium power range, this product series offers ideal solutions for extruder applications. The gearboxes of the F.AE series are executed as parallel shaft units with extruder flange, and are available in all of the standard ratios.

The geared motors are equipped with high-performance self-aligning axial roller thrust bearings and can be adapted to your particular requirements using either the standard flange or an application-specific flange.

Technical data:
- Torque range from 1,000 Nm to 14,000 Nm
- Power range up to 90 kW
- Output speed up to 550 rpm
- Screw diameters from 20 mm up to 100 mm

Highlights of the geared motors at a glance:
- The housing is protected using axial self-aligning roller thrust bearings with a high load rating in a front-mounted extruder flange
- High operational reliability and low service intervals as a result of the separate oil lubrication of gearbox and extruder flange
- Screw extraction to the front or back
- High degree of compactness
- Standard components are available from stock
- Integrated geared motor eliminates time-consuming alignment of the axes of the drive train when commissioning the system

Flexibility of the screw extraction

Additional motor connection options:

In addition to the integrated motor mounting, the motor can be mounted in other ways.
Always the suitable inverter
The SINAMICS G120 inverter is the optimum drive for extruder applications.

Technical data:
- Power range: up to 250 kW
- Degree of protection: IP20
- Integrated STO safety function (Safe Torque Off)
- Communication via PROFINET or PROFIBUS
- Certified for worldwide use according to CE, UL, cUL

We would be pleased to also offer you powerful automation solutions: well-proven SIMATIC hardware components for the control and operation – as well as the EXT3.70 application software including temperature control.

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You can find additional information about industrial security at http://www.siemens.com/industrialsecurity