Chamfering and Deburring Machine
LD 300 C
This method, established for many years and well-known for its very high chamfer quality, is combined with proven machine technology. The chamfering operation is now available as a stand-alone machine. The chamfercut tools, which can be easily re-sharpened multiple times, create precise chamfers with high consistency, a long tool life and facilitate optimum economy.

**Advantages of this Process**
- Established process
- High chamfer quality and reducibility
- Precision chamfering geometry
- No bulging or material deformation
- Very long tool life (even with dry machining)
- No needle chips
- ChamferCut is easy to re-sharpen
- Easy Small diameters possible
- Tooth-root chamfering
- Lowest tool costs
Depending on the cycle time, the LD 300 C can deburr workpieces from two or more hobbing machines.

**Advantages of this Machine**
- Simple adjustment of corrections via CNC axes
- Optimized workpiece clamping
- Fast set-up
- Chamfering as dry machining
- Both-sided chamfering of the workpieces
- Simple corrections at varying flank modifications
- Hook-ready design for simple and fast installation
- Cutting direction when chamfering can be chosen freely (optional)
- Automatic loading with flexible ring loader principle (robot or gantry loading also possible)
- Proven loading principle from LC machines
- Flexible automation, e.g. via plastic chain conveyor
- User-friendly entry

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>mm</th>
<th>kg</th>
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<tbody>
<tr>
<td>Max. Module</td>
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<tr>
<td>Max. Workpiece length</td>
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<tr>
<td>Max. Spindle speed</td>
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Machine Tools and Automation Systems from Liebherr

Liebherr employs roughly 1200 staff in the area of machine tools and automation technology and has production facilities in Kempten and Ettingen (Germany), Collegno (Italy), Saline (Michigan, USA) and Bangalore (India). They are supported by expert and reliable marketing and service specialists at a large number of locations worldwide.

With over sixty years of industrial experience, Liebherr is one of the world’s leading manufacturers of CNC gear cutting machines, gear cutting tools and automation systems. The company’s innovative products are the result of pioneering ideas, highly qualified staff and state-of-the-art manufacturing systems at each of their locations. They are characterised by economy, ease of use, quality and reliability in combination with a high degree of flexibility.

System Solutions in the Area of Machine Tools
Included in the production programme are gear hobbing machines, gear shaping machines and generating- and profile grinding-machines, all noted for their high degree of stability and availability. Particular importance is attached to the energy efficiency of the machines.

Gear cutting machines from Liebherr are supplied to renowned manufacturers of gears and gearboxes and large-scale slewing rings worldwide. They are in demand primarily from the automotive and construction machinery industries and also increasingly from the wind power industry for the manufacture of gears for wind turbines.

High Quality Gear Cutting Tools
Liebherr manufactures high quality, precision tools for the soft and hard machining of gears and all Liebherr gear cutting machines are fitted with Liebherr tools. The range also includes Lorenz shaping tools and products customised for specific customer applications.

Automation Systems for a Broad Range of Applications
Liebherr has a wide range of products for linear robots, pallet-handling systems, conveying systems and robot integration for projects in all areas of production and can provide above-average availability of systems.

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