Rolling Systems from LMT Fette
技术完善的广泛解决方案
A broad program with technical perfection

在以下方面性能卓越:
- Cost effectiveness
- Machining times
- Tool life
- Thread strength
- Surface quality
- Accuracy
- Machine utilization

Superior performance with regard to

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The visual appearance of the products may not necessarily correspond to the actual appearance in all cases or in every detail.
**Rollable profiles**

The following thread types and profile forms can be produced with rolling systems from LMT Fette.

**Typical workpieces**

A large selection of workpieces you can machine perfectly with our tool! It is not important whether the workpiece is to be machined when stationary or rotating. Endless threads or short threads can be rolled either in front of or behind a collar. Almost any material that has a minimum extension of about 5% can be rolled. Thin-walled hollow objects (pipes) can be rolled if an internal mandrel is used.
Our competences in your favour

Technical advise and Engineering
Our Application Engineers are pleased to advise you about the optimal use of our rolling systems – at your site and in practice.

LMT Group Academy with Tech Center
At the LMT Tools Training Center we are demonstrating the latest thread making technology. Within the framework of our specialized seminars we are transferring integrated knowledge in theory and practical applications. In our Tech Center we are testing for you – at your workplace – for optimization of the application and processes.

Services and tool repair
The service competence of the LMT Tools covers many areas, from tool management to tool vending systems to grinding services. Specifically for LMT Fette rolling heads we also offer service and maintenance in manufacturer’s quality.
利美特菲特螺纹滚压系统的收益性

The profitability of LMT Fette Rolling Systems

使用利美特菲特螺纹滚压系统进行无屑成型是生产螺纹和其他外部型面最经济的方法。

Chipless forming with rolling systems from LMT Fette is the most economical method for production of threads and other external profiles.

例如 / Example:
螺纹 / Thread M 12 x 1.75 ~ 50 mm 长 / long

螺纹切削
Thread cutting
► 13 秒 / 13 sec.

螺纹滚压
Thread rolling
► 3 秒 / 3 sec.

可以大大地缩短生产时间并降低成本。

A significant reduction of production time and therefore costs can be realized.

节省生产时间 —— 切削与滚压相比
Savings in production time — cutting vs. rolling

![Bar chart showing savings in production time]

- 绿色柱状图 / Green bar chart representing savings in production time
  - 颜色代码：
    - 螺纹切削 / Thread cutting
    - 螺纹滚压 / Thread rolling
  - 比例：-85%
<table>
<thead>
<tr>
<th>Type</th>
<th>Functional Principle</th>
<th>No. of Rolls</th>
<th>Shape of Roll (mm)</th>
<th>Work Range (mm)</th>
<th>Profile Max. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axial</td>
<td>Feed in axial direction (in the direction of the arrow)</td>
<td>3 (2-6)</td>
<td>1.4 - 230</td>
<td>0.065° - 9.05°</td>
<td>Unlimited</td>
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<tr>
<td>AC</td>
<td>Feed in axial direction (in the direction of the arrow)</td>
<td>2</td>
<td>8 - 132</td>
<td>0.315&quot; - 4.015&quot;</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Radial</td>
<td>Feed in radial direction via the roll geometry</td>
<td>3 (2)</td>
<td>3 - 45</td>
<td>0.118&quot; - 1.772&quot;</td>
<td>Max. Roll width 48mm</td>
</tr>
<tr>
<td>Tangential</td>
<td>Feed in tangential direction (in the direction of the arrow)</td>
<td>2</td>
<td>1.6 - 80</td>
<td>0.063&quot; - 3.149&quot;</td>
<td>Max. Roll width 53.5mm</td>
</tr>
<tr>
<td>Rolling time</td>
<td>Special benefits</td>
<td>Machine requirements</td>
<td>Rolling head holder</td>
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<tr>
<td>取决于螺纹长度、速度和螺距 实例：M 10 x 1.5</td>
<td>垂直长度无限制 工件停止或旋转均可</td>
<td>通用车床 数控车床 转塔车床 铣削复合加工中心 固定式机床 生产线 专职 Universal lathe CNC lathe Turret lathe Turning and milling centers Rotary transfer machines Transfer lines Special lathes</td>
<td>纵向刀架 转塔 主轴箱架 否 Plain turning slide Turret Spindle nose Tailstock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>取决于螺纹长度、速度和螺距 实例：M 10 x 1.5</td>
<td>牙型长度不受限制 特别适合CNC机床 特别适合双头夹持加工 Unlimited profile length Especially for CNC machines Particularly between points</td>
<td>数控车床 CNC Lathe</td>
<td>转塔 纵向刀架 和横向刀架 NC/CNC控制 Turret Plain turning slide and cross slide NC/CNC control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>取决于螺纹长度、深轮的线数和螺距 实例：M 10 x 1.5</td>
<td>极短的螺纹副刀理想 极短的螺纹 极短加工时间 工件停止或旋转 适合无顶尖夹持 自动开合 Extremely short thread runcut Extremely short threads Extremely short machining times Stationary or rotating workplace Suitable for use of end facing mach. Automatic release</td>
<td>通用车床 数控车床 转塔车床 铣削复合加工中心 固定式机床 生产线 专职 Universal lathe CNC lathe Turret lathe Turning and milling centers Rotary transfer machines Transfer lines Special lathes</td>
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<td>取决于速度和啮合持续时间 实例：M 10 x 1.5</td>
<td>螺纹底面的螺纹 螺纹的螺纹底刀槽 超短的螺纹 在切割刀具之间 Thread behind a collar Extremely short thread runout Extremely short threads Also between points</td>
<td>所有车床 All lathes with feed motion control</td>
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