Substantial savings from small to large production runs

<table>
<thead>
<tr>
<th>Material</th>
<th>UGIMA® 303</th>
<th>UGIMA®-X 303</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material cost per component ($)</td>
<td>0.98</td>
<td>1.00</td>
</tr>
<tr>
<td>Cycle time / component (second)</td>
<td>65</td>
<td>56</td>
</tr>
<tr>
<td>Productivity (component/hour)</td>
<td>55.4</td>
<td>64.3</td>
</tr>
<tr>
<td>Machining cost ($/component)</td>
<td>0.89</td>
<td>0.77</td>
</tr>
<tr>
<td>Tooling cost ($/component)</td>
<td>0.07</td>
<td>0.07</td>
</tr>
<tr>
<td>Total component cost ($)</td>
<td>1.94</td>
<td>1.84</td>
</tr>
<tr>
<td>Savings per component ($)</td>
<td></td>
<td>0.10</td>
</tr>
<tr>
<td>Duration of the production run in days</td>
<td>0.75</td>
<td>0.65</td>
</tr>
<tr>
<td>Savings in $/kg</td>
<td></td>
<td>0.54</td>
</tr>
</tbody>
</table>

Tool life according to cutting speed

**UGIMA®-X:**

+15\% productivity

Non-contractual document
You enjoy unrivalled performance

- Productivity increases of 10 to 20% compared to UGIMA® grades
- Optimized cycle time
- Longer tool service life
- Improved chip breakability

You can improve your process reliability

- Performance reproducibility from one batch to another
- UGIMA®-X automated process control
- Component cost reliability

UGIMA®-X: 3rd generation

- Performance reproducibility from one batch to another
- UGIMA®-X automated process control
- Component cost reliability

UGIMA®-X grades

- **UGIMA®-X 316L**
  - +20% productivity increases compared to UGIMA® 316L and higher than UGIMA® 316LXL
  - Better corrosion resistance, less risk of cracking and suitable for thin-walled parts.

- **UGIMA®-X 304L**
  - +10% productivity increases compared to UGIMA® 304L and suitable for thin-walled parts.

- **UGIMA®-X 303**
  - +15% productivity increases compared to UGIMA® 303 and higher than UGIMA® 303XL
  - Better corrosion resistance, less risk of cracking and suitable for thin-walled parts.

**30 years** of Technical Assistance

**3 years** of development work

**2,000 tons** of products produced

**3,000 hours** of tests

**50 tons** of chips