

**Machine Name : Gear Measuring Center**

**Brand : Liebherr**

**Machine Model : LMC600G**

**Stock No. : 4812679**

**Ex-factory Date : 2025**



**Main Technical Parameters:**

Maximum workpiece diameter:  $\Phi 600$  mm

Minimum measurable module: 0.2 mm

Maximum measurable tooth width: 800 mm

Distance between centers: 900 mm

Maximum load capacity of rotary worktable: 400 kg

Helix angle range:  $< 90^\circ$

Axis Travel

X-axis travel: 500 mm

Y-axis travel: 320 mm

Z-axis travel: 800 mm

CNC Measurement System Configuration

Guideway type: Granite guideways

Bearing system: Air bearings

Rotary Worktable

High-precision rotary worktable:

Aerostatic bearing type / Hydrostatic type

Probe System

Renishaw high-precision scanning probes:

SP600

SP80H

Accuracy Standard

Accuracy grade:

Conforms to VDI/VDE 2612/13 Grade 1 accuracy standard



典型应用--齿轮及齿轮轴的测量

- TGear 圆柱直齿和斜齿轮测量软件 (包含内齿轮和外齿轮) PTB 认证
- TAlign 工件轴线偏心补偿软件
- 齿轮时间关系测量软件 (角度位置)
- 齿向中断测量
- 同断齿, 缺齿检测
- 齿顶和齿根直径测量
- 扭曲变形测量软件
- TSync 结合齿测量
- 自定心法测量跨棒距
- TReverse 未知参数齿轮测量
- 傅里叶分析
- 花键测量软件
- 粗糙度, 烧伤检测

车用变速器齿轮工件的检测:

高效、低噪和轻巧耐用是先进变速箱设计制造的首要目标。因此, 必须使用品质保证, 精确可靠的测量系统。

