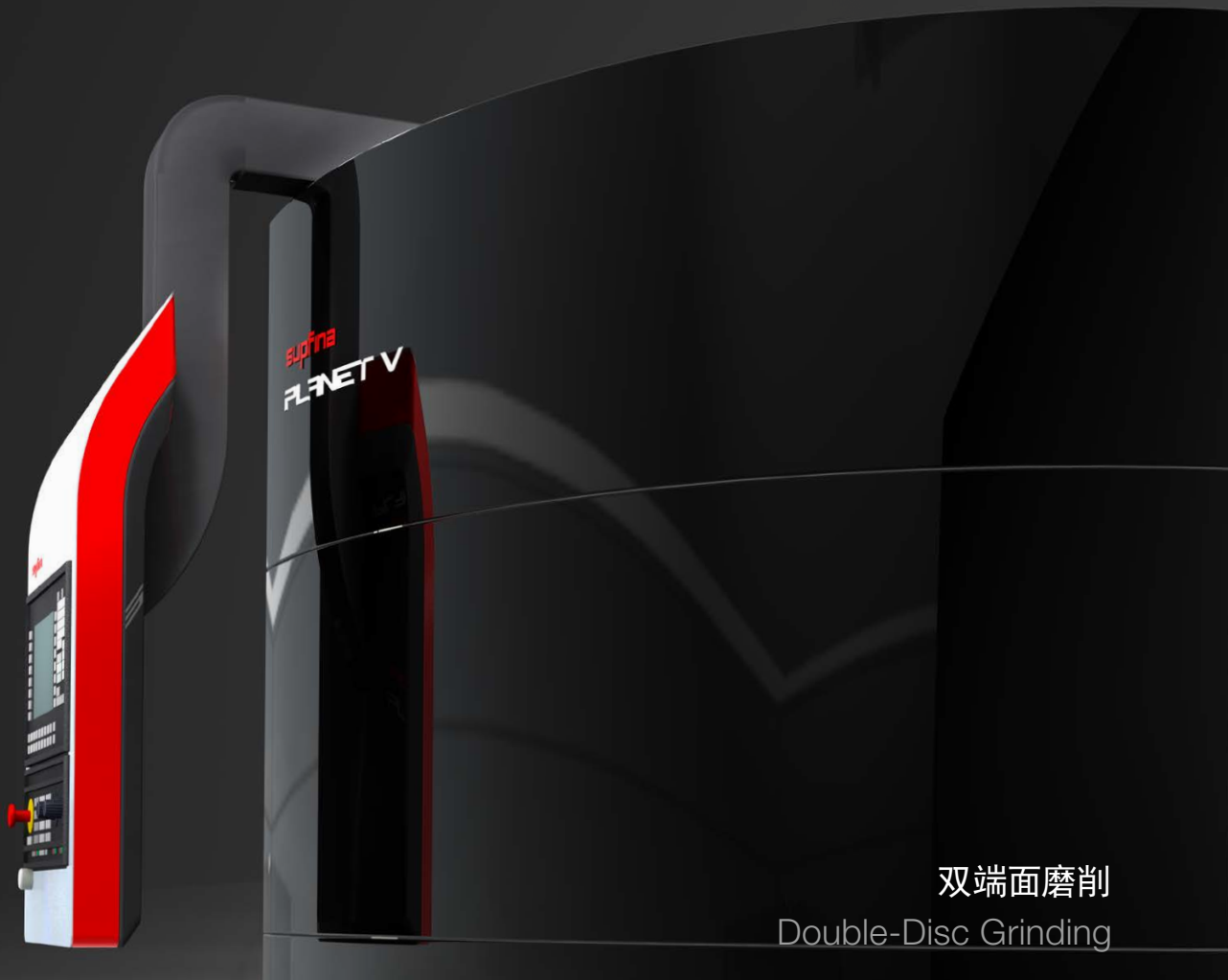


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双端面磨削

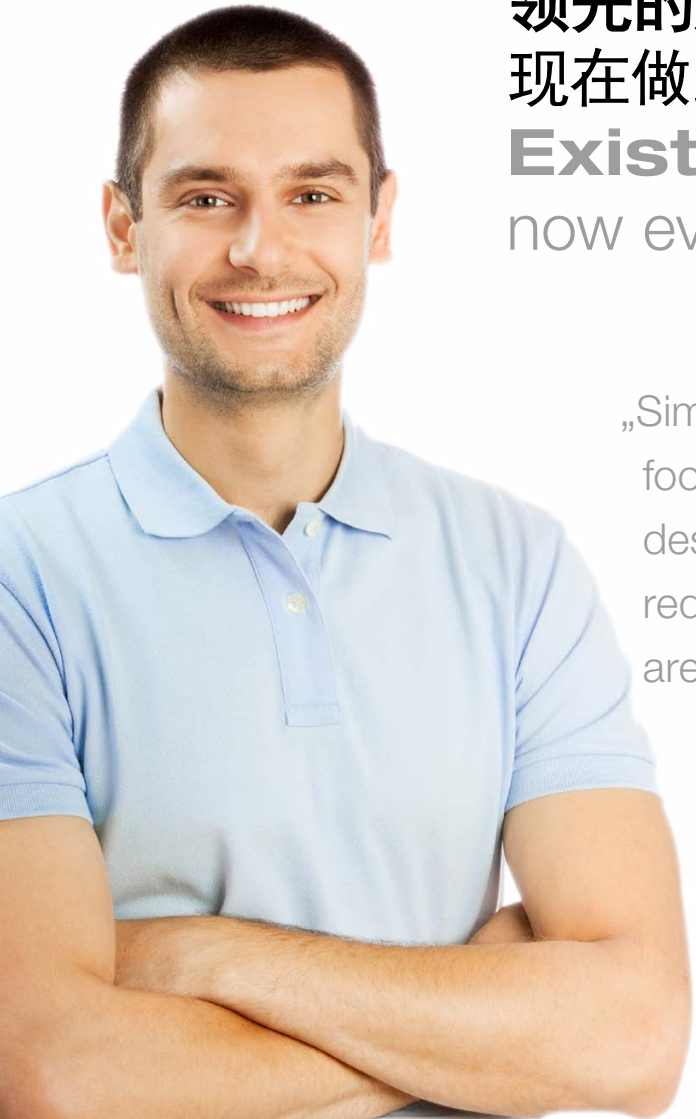
Double-Disc Grinding

PLANET V

“简便的操作同时减少了占用空间, 感谢新型设计的机床带来的显著经济效益的改善和令人信服的性能优势。”

领先的磨削工艺
现在做到更好
Existing advantages
now even better.

„Simplified operation and a reduced footprint thanks to a new machine design in combination with a significantly reduced investment – advantages that are convincing.“





supfina
PLANET V4

Planet V型机床定义了新型结构的双端面磨床。

立式主轴的设计向用户提供最高标准的工件质量和高性价比。

机床独特的性能，如获得专利的磨削间隙可视化、刀具更换装置，使机床停机时间降到最低。

Planet V占地面积小，可方便地集成到新的或现有的生产线中。

The Planet V machine series defines a new dimension in double-disk grinding.

The vertical spindle arrangement provides end customers with the highest workpiece qualities while, at the same time, reducing costs per part.

Some of the unique features are the patented grinding gap visualisation and integrated tool-change device, which reduce retooling time to an absolute minimum.

Thanks to the Planet V's modest footprint, the machine can easily be integrated into new or existing production lines.

双端面磨削 适用于大规模生产 **Double-Disc Grinding** Massive throughput





参数显示的是样机配置

Figure shows sample configuration.

supfina PLANET V4

工件直径	6–85mm
Workpiece diameter	
工件厚度	0,6–40mm
Workpiece thickness	

应用案例： 毛坯件
Sample application: Fine blank part

材质	S420MC (软质 / soft)	每次通过节拍	6s
Material		Cycle time per pass	
尺寸	Ø 82 mm x Ø 23 mm	通过机床次数	1
Dimension		Number of passes	
磨削之前尺寸	3.45mm	加工方式:	切入式 / 振荡模式
Size before grinding		Method	plunge-cut / oscillating mode
磨削之后尺寸	3 ± 0.05mm	工具	常规
Size after grinding		Tool	conventional
表面粗糙度	≤ 2µm	上/下料	自动
Surface roughness		Loading/Unloading	automatic



新型Planet V具有高精度的生产能力, 用户界面友好, 同时更进一步改善了机床占地面积使投资效率更高。

本机床不但采用先进的加工技术如获得专利的可视化磨削间隙TNS和在线测量功能, 最新的研发科技和工艺领先技术也被应用到新型设计的机床上。

Supfina为双端面磨削工艺设立了最高标准的目标。

With the new generation Planet V precision productivity and user friendliness are further improved while reducing floor space and overall investment.

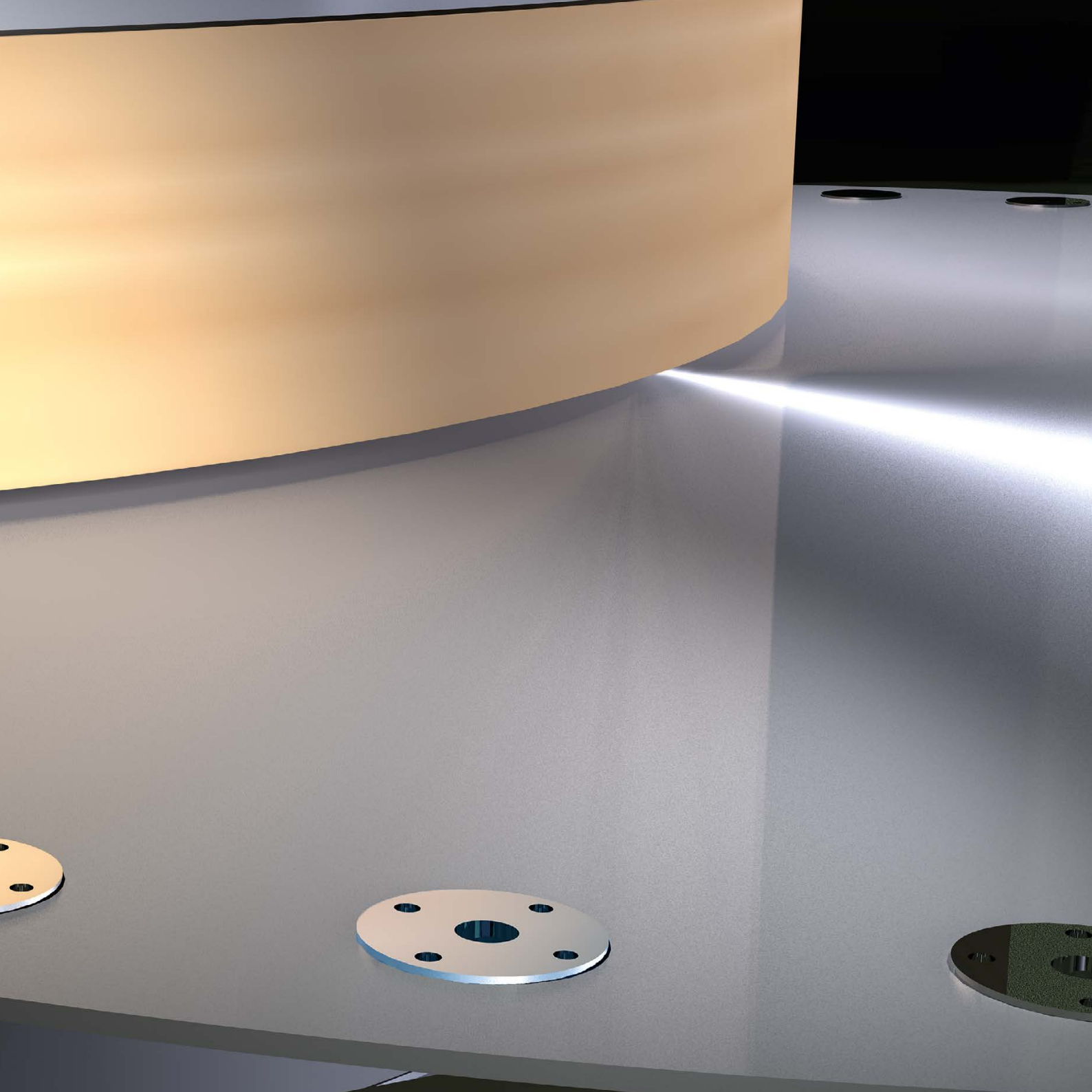
Besides relying on proven technology such as the patented grinding gap visualisation system TNS and inprocess gaging, the latest R&D results and years of process know how were implemented into the new design.

Supfina sets the bar for highest standards in double-disc grinding.

适用于大规模生产
加工平面零件

Massive throughput
Machining flat components





应用领域

- 高产量高精度的平面零件
- 汽车工业和汽车工业的供应商
- 耐磨轴承
- 下列工件的生产商: 泵体零件, 密封垫圈, 钟表行业等等, 经过淬火或未淬火的钢, 陶瓷, 硬金属, 黄铜, 烧结材料和特殊合金

机床优势

- 加工工艺稳定
- 去除余量高
- 节拍时间短
- 换型时间短
- 停机时间短
- 工件加工质量高

Fields of application

- Large-quantity and high-precision flat parts
- Automotive and automotive suppliers' industry
- Anti-friction bearing industry
- Manufacture of the following components: pump parts, sealing washers, clock and watch parts, etc. made from hardened and unhardened steel, ceramics, hard metal, brass, sintered material and special alloys

Advantages

- Robust process
- High stock removal rates
- Short cycle times
- Short change-over times
- Short non-productive times
- High part quality

细节 主要特性

Facts

Key Features



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