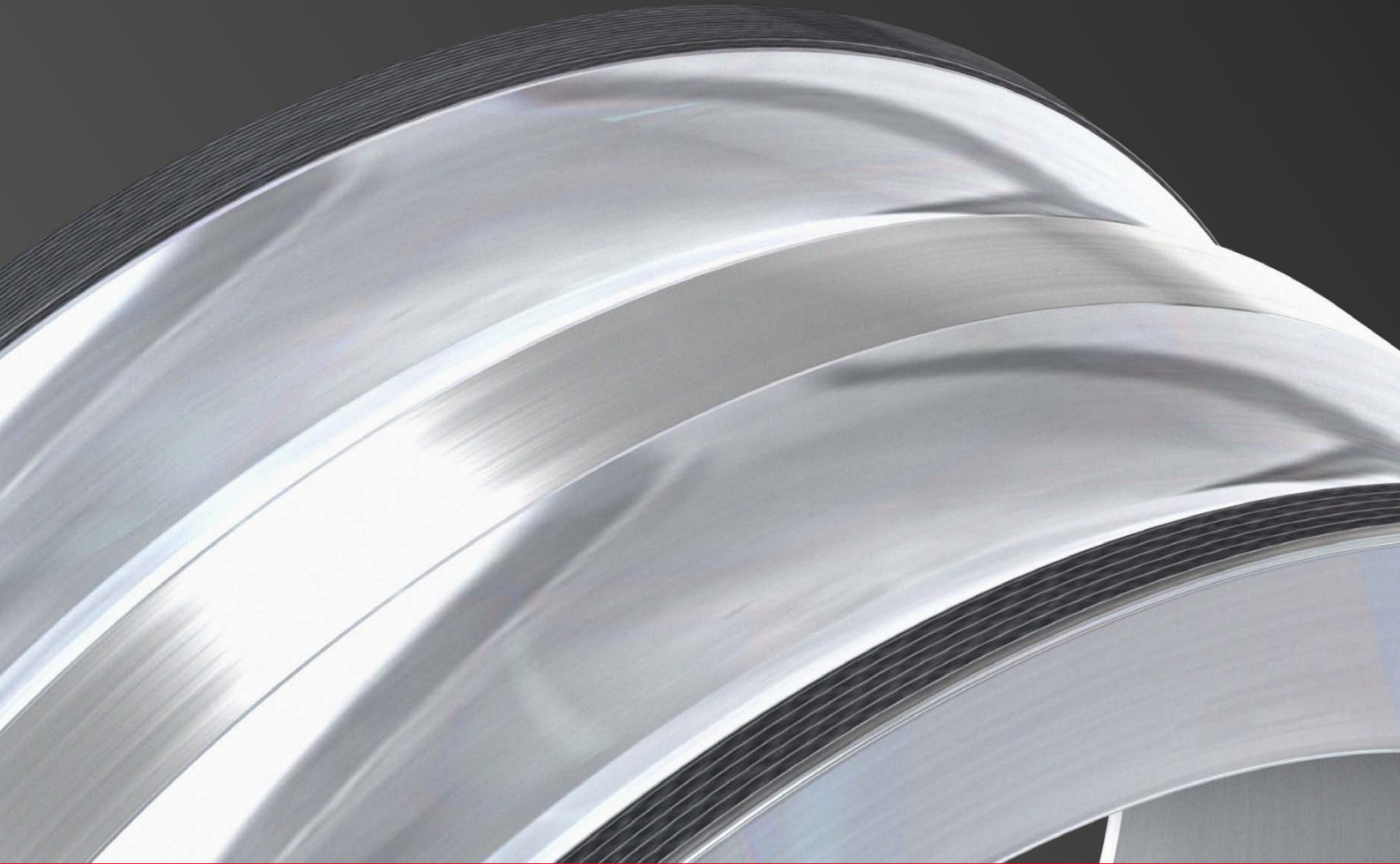


supfina



RACE

supfina
RACE



reddot design award
winner 2012





新一代应用于轴承行业的超精机具有独特的外观，波浪形的机床前部以及优异的性能表现，创新型的Race超精机反映了超精工艺相当高的质量要求以及Supfina公司致力于超精工艺完美解决方案的高效追求。

Supfina表面超精系统 当今超精工艺的解决方案

Our new superfinishing machine for the anti-friction bearing industry in its new, unusual design.

With its enclosed wave-shaped front and high-grade appearance, the new Race mirrors the considerable quality requirements of this superfinishing process and Supfina's dedication to a high-profile solution.

Supfina Surface Finishing Systems.

This is how surface finishing is done today.

创新的时代

Time for something new



质量
可见
Quality
made visible



supfina RACE

工位 Working stations	2
工件直径 Workpiece diameters	62–160 mm
工件宽度最大到 Workpiece width up to	65 mm
接触角 Contact angle	0–55°

应用范例: 球轴承内圈, 双列

Sample application: Ball bearing inner ring, double row

套圈外径: 约 Ring outer Ø approx.	64 mm
套圈宽度 Ring width	36 mm
材质 Material	淬硬轴承钢 hardened bearing steel
粗糙度Ra Roughness Ra	$\leq 0.04 \mu\text{m}$
圆度 Roundness	$\leq 1.2 \mu\text{m}$
外形误差 Profile error	$\leq 1.2 \mu\text{m}$





参数显示的是样机配置
Figure shows sample configuration.

创新型Supfina Race 超精机为球轴承内圈和外圈的超精密加工设定了新标准。

经过多年优化满足了大规模生产的要求, 同时获得最佳的加工品质, 较快的设置时间和卓越的可靠性。

The innovative Supfina Race is setting new standards in Superfinishing ball bearing inner and outer rings.

It has been optimized to meet the highest productivity demands, while achieving best quality results, fast set-up times and superior reliability.

球轴承滚道

内圈和外圈的加工

Ball Bearing Raceways

Machining of inner and outer rings



72466.2
78/72



- 自动上下料
- 分步工艺配有自动排序
- 结合油石和砂带
- 设置时间<15分钟
- 优化的易接近性
- 先进的的控制系统配有技术内存

- Automatic loading and unloading
- Multi-step process with automatic sequence
- Stone and tape machining can be combined
- Minimized loading times
- Set-up times < 15 minutes
- Optimum accessibility
- State-of-the-art controler system with a technology memory

细节
主要特性

Facts

Key Features



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