



# Microfinish for Flat Surfaces

## NanoStar



### Microfinish Task

Cost-effective Microfinishing machine for flat or crowned surfaces able to meet production demands



### Microfinish Advantages

The optimal micro-geometric and macro-geometric peak-to-valley height for your application, removal and measurement adjustable in small tolerances



### Special Machine Features

- Very stable flatness and material removal via MicroSens technology
- Short cycle time, all operations run simultaneously
- Small space requirement
- Excellent accessibility for maintenance
- Selective setting of surface shaping (convex/concave)



Cost-effective

Small footprint



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## Concept

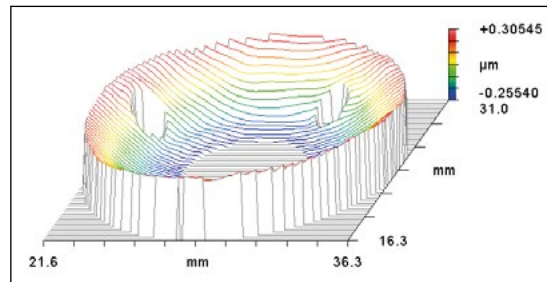
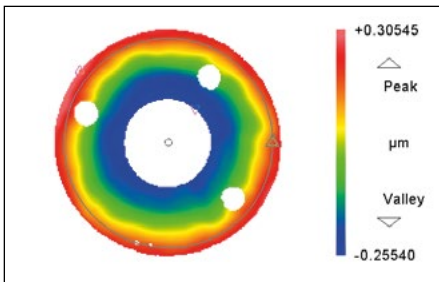
- Indexing table with vertically arranged units
- Loading and unloading within cycle time via automation
- In-process measuring (IPM)
- Two-step process (roughing/finishing)

## Optional

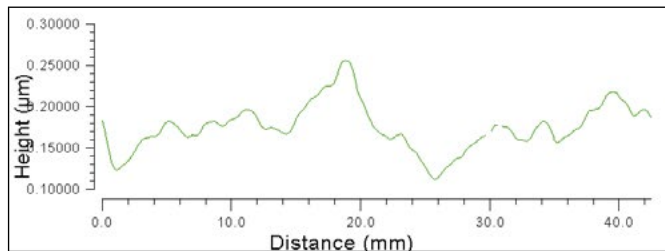
- Pre- or post-process measuring
- Brush deburring within cycle time
- Internal flip unit for A and B side machining

## Machine Data

Workpiece spindles:	4 pcs. max. 2,000 rpm
Machining stations:	3 pcs. max. 15,000 rpm
Coolant oil requirement:	40 l/min.
Machine weight:	approx. 3,000 kg



Flatness after Microfinish



## THIELENHAUS TECHNOLOGIES



Thielenhaut Technologies GmbH  
Schwesterstraße 50  
42285 Wuppertal, Germany  
☎ +49 (0)2 02 - 4 81-0  
✉ info@thielenhaus.com  
www.thielenhaus.com



Thielenhaut Microfinish Corp.  
42925 W. Nine Mile Road  
Novi, MI 48375, U.S.A.  
☎ +1 2 48 3 49-94 50  
☎ +1 2 48 3 49-94 57  
✉ info@thielenhaus.us  
www.thielenhaus.us



Thielenhaut Superfinish Innovation AG  
St. Gallerstraße 52  
9548 Matzingen, Switzerland  
☎ +41 (0) 5 23 76 26 20  
☎ +41 (0) 5 23 76 26 19  
✉ info@superfinish.ch  
www.superfinish.ch



Thielenhaut Microfinish do Brasil  
Rua Dona Francisca, 8300 - Oficina 01  
Condominio Penini Business Park  
CEP 89219-600 Joinville/SC, Brasil  
☎ +55 47 9994-6094  
✉ henrique.muhle@thielenhaus.ind.br  
www.thielenhaus.us

Thielenhaut Microfinish India (P) Ltd  
34A, 2nd Main Road, SIDCO Industrial Estate  
Thirumudikkam  
Chennai 600 044, India  
☎ +91 77 19 02 22 00  
☎ +91 95 52 28 83 00  
✉ skartha@thielenhaus.in  
www.thielenhaus.in



Thielenhaut Machinery (Shanghai) Co., Ltd  
Jiangnan Dong Lu 212, building 7  
Songjiang Industrial Zone  
201613 Shanghai, P.R. China  
☎ +86 21 67 75 31 57  
☎ +86 21 33 52 87 67  
✉ info@thielenhaus.cn  
www.thielenhaus.cn