

**BAUBLIES ROLLER BURNISHING AND  
DIAMOND BURNISHING TOOLS**

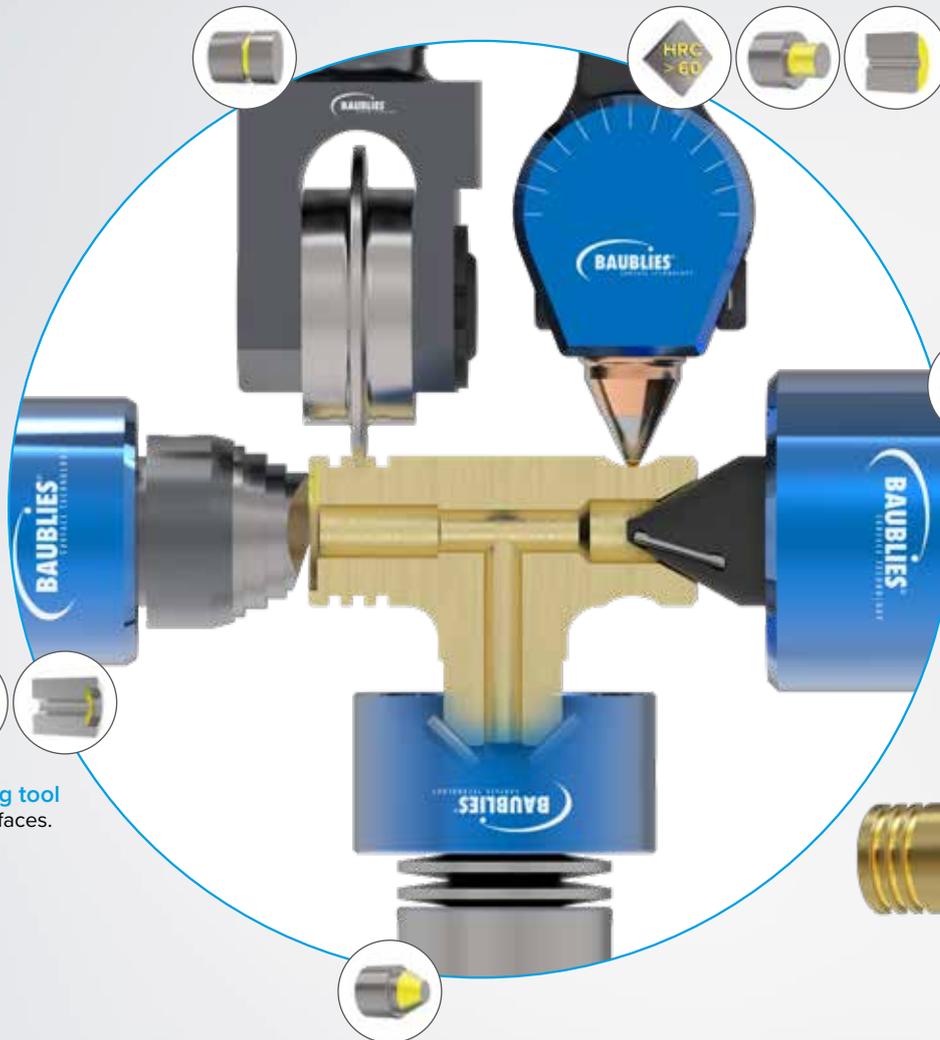
**BURNISHING LEAD-FREE  
NON-FERROUS METALS**



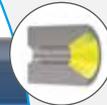


**Single-roller burnishing tool**  
for recessing tasks.

**Colibri diamond burnishing tool variable**  
External machining of shafts, contours,  
flat surfaces, thin-walled workpieces.



**Diamond burnishing tool**  
for processing flat surfaces.



**Multi-roller  
burnishing tool**  
for machining internal  
tapers from 3 mm.



**Multi-roller burnishing tool**  
for machining external cones.



← 27 mm →

# YOUR ADVANTAGES:

## 1. IMPROVED SURFACE QUALITY

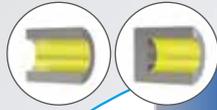
- By burnishing the surface profile, roughness depths below Rz 1 µm are possible.

## 2. INCREASED WEAR RESISTANCE

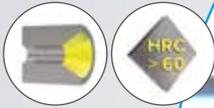
- Burnished surfaces result in higher hardness and reduced abrasion.
- Good for plain bearings, valves, or plug connections.



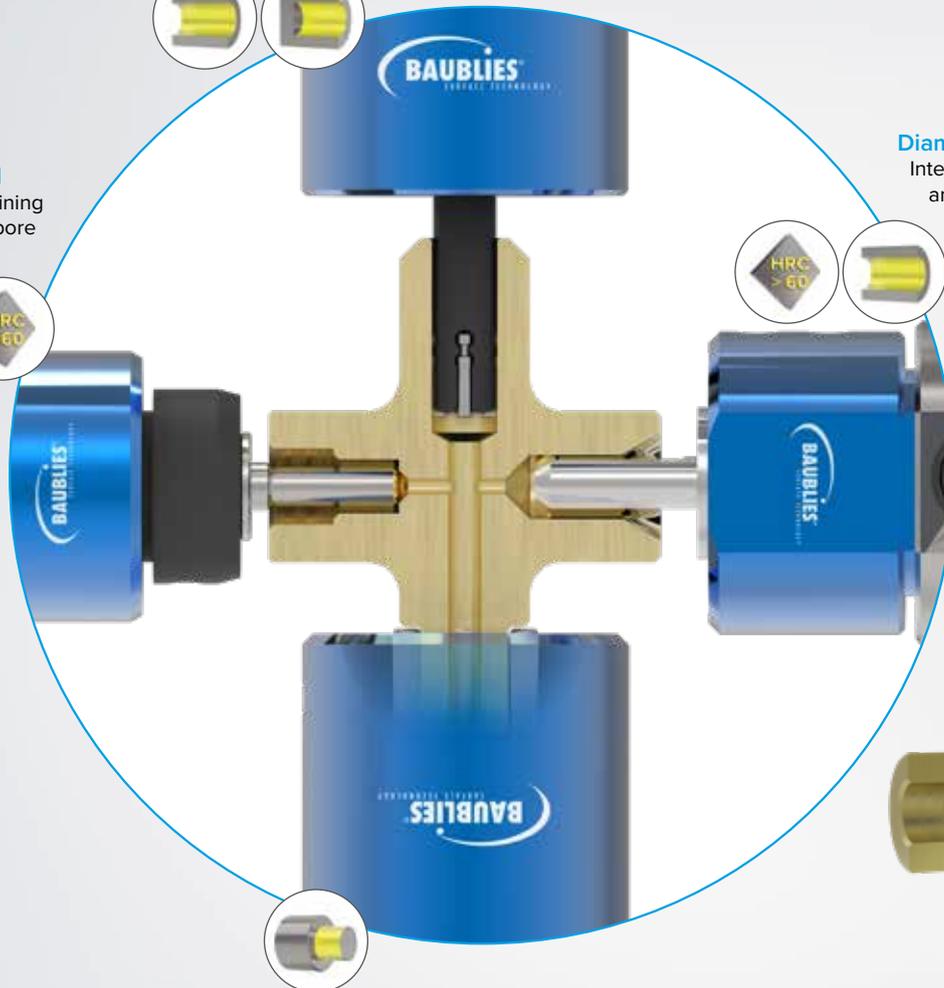
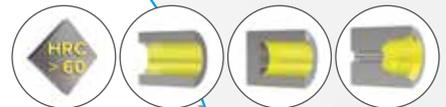
**PICCOLINO internal roller burnishing tool**  
for through holes and blind holes.  
Machining diameter from 4 mm.



**Diamond burnishing tool**  
for internal machining of tapers. Taper bore up to 4 mm.



**Diamond burnishing tool**  
Internal machining of holes and contours from 4 mm.



**PICCOLINO external roller burnishing tool**  
For burnishing external diameters from 1 mm.



### 3. IMPROVED TRIBOLOGICAL PROPERTIES (FRICTION/SLIDING BEHAVIOR)

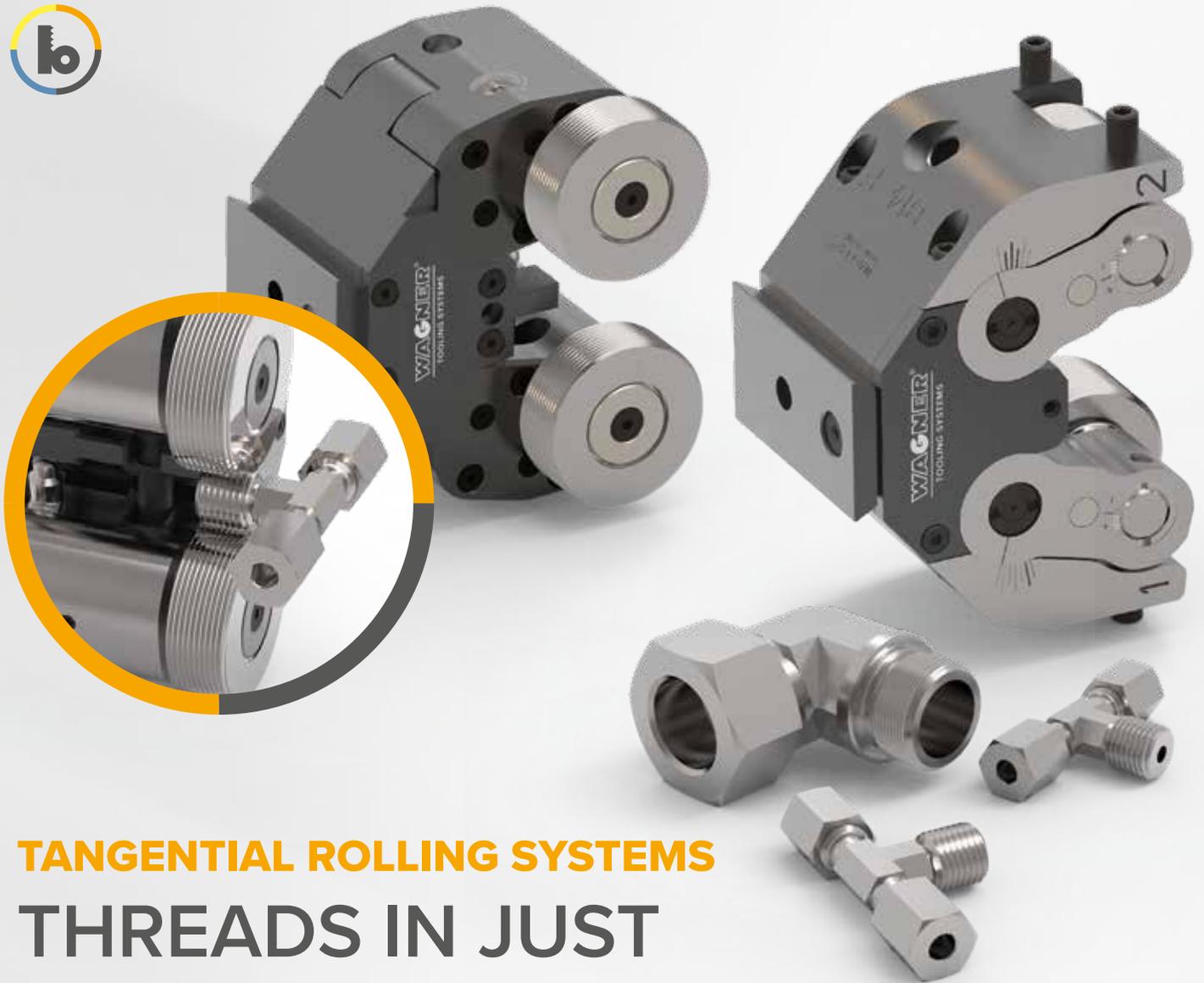
- Smooth surface reduces friction.

### 4. INCREASED STRENGTH AND SERVICE LIFE

- Cold work hardening in the surface layer due to plastic deformation.

### 5. PROCESS EFFICIENCY BENEFITS

- Faster than grinding or polishing.
- Less tool wear, as it is a non-cutting process.
- Environmentally friendly, as no chips or grinding dust are produced.
- Well suited for use in series production.
- Ideal complement to high-precision cutting tools.
- Complete machining on a single machine.



## TANGENTIAL ROLLING SYSTEMS

# THREADS IN JUST SECONDS

### AREAS OF APPLICATION

- cylindrical and conical threads, right- and left-hand threads as well as regular and fine threads
- threads behind a collar
- threads close to a collar
- very short threads
- threads where the end of the workpiece is not free
- threads with very short run-outs

### ADVANTAGES

- very short processing time
- large working range
- long tool life due to large rolls and high rigidity of the tool body
- particularly low-maintenance
- the rolled threads are suitable for high loads due to their uninterrupted fibre course.
- durable, wear-resistant and corrosion-resistant threads
- high flexibility due to numerous adapter variants for use on different machines, e.g. single and multispindle lathes as well as special machines



## THREAD CUTTING SYSTEMS FLEXIBLE AND HIGHLY PRECISE

### AREAS OF APPLICATION

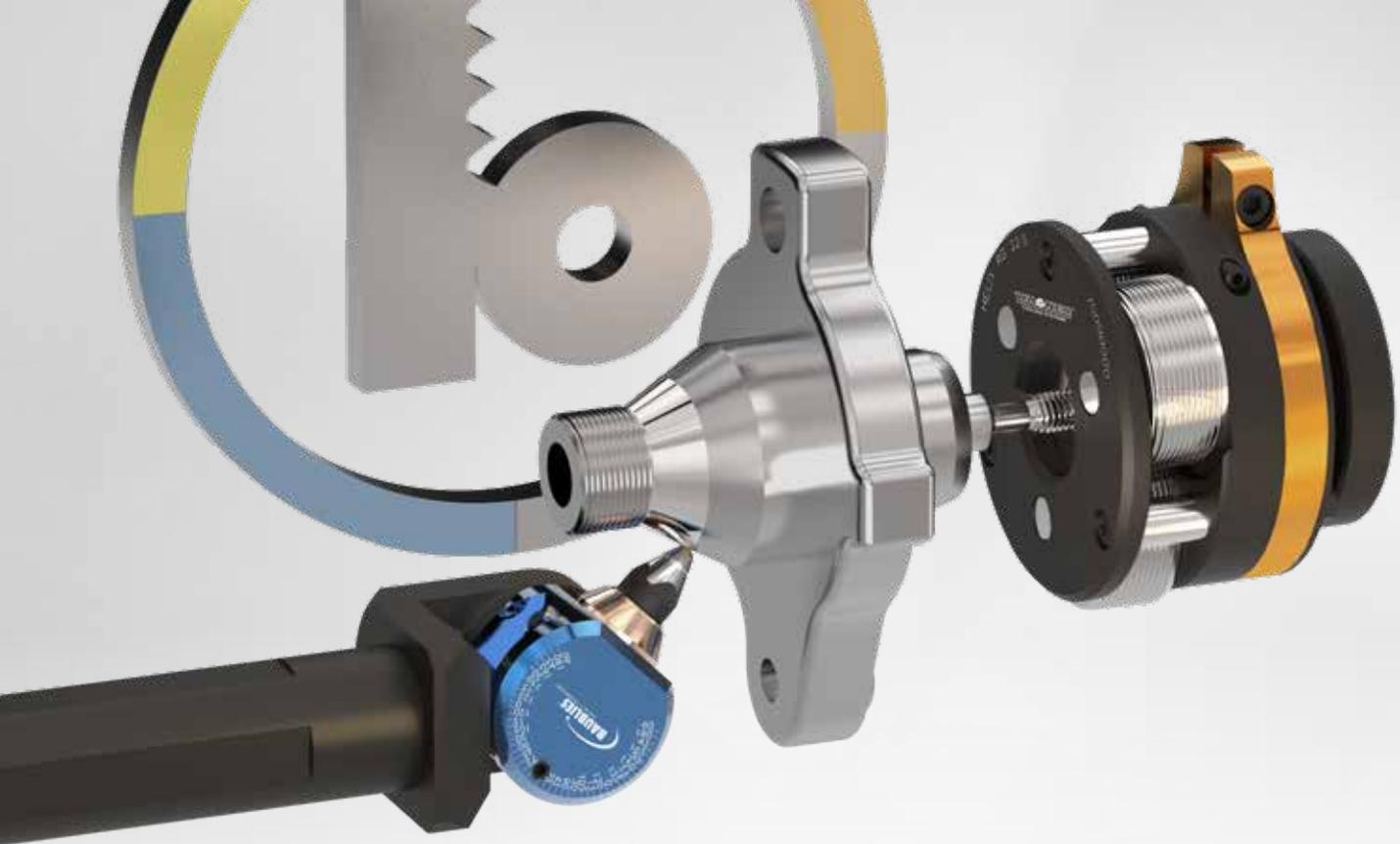
- regular, fine, cylindrical or conical threads, right-hand or left-hand threads, pipe, trapezoidal, round and special threads
- threads according to British and American standards
- parallel profiles by infeed profile cutting possible
- the most difficult machining tasks and large diameters can be performed effortlessly with the WDK-WKK cutting system types.

### WAGNER CHASERS/THREAD CUTTING PLATES

- standard: HSS or HSSE
- nitrated
- coated: TiN, TiCN, TiAlN, CrN
- carbide
- customized according to customer requirements

### ADVANTAGES

- by exchanging the chasers, different thread types can be machined with only one cutting system
- high efficiency due to regrindable chasers
- short set-up times due to preset chasers
- time-saving operation due to single cut
- high-precision thread chasers adapted in pitch and shape to the thread to be cut
- high flexibility on almost all machines due to commercially available tool holders



THE EXPERTS IN NON-CUTTING SURFACE  
TREATMENT AND THREAD PRODUCTION.



**BAUBLIES  
GROUP**

**BAUBLIES** develops and manufactures roller burnishing tools and diamond burnishing tools for chipless surface finishing.



*Baublies Headquarter in Renningen*

**WAGNER TOOLING SYSTEMS** focuses on the manufacture of tools for non-cutting and cutting external thread production.



*Wagner Tooling Systems Headquarter in Pliezhausen*

PART OF THE  
**BAUBLIES GROUP**  
BAUBLIES AG

Raitestraße 25 · 71272 Renningen  
baublies@baublies-group.com  
Tel.: +49 (0) 71 59 92 87-90 · www.baublies.com

PART OF THE  
**BAUBLIES GROUP**  
WAGNER TOOLING SYSTEMS BAUBLIES GMBH

Gutenbergstraße 4/1 · 72124 Pliezhausen  
wagner@baublies-group.com  
Tel.: +49 (0) 71 27 973-300 · www.wagner-werkzeug.de

[www.baublies-group.com](http://www.baublies-group.com)