Cogsdill

The UK's *only* manufacturer of

Burnishing Tools

ROLL BRITANNIA

Making burnishing great again

ELIMINATE HONING!

cogsdill.co.uk

Ready to roll

Cogsdill Roll-a-Finish tools offer you a fast, clean, and economical method of sizing, finishing and work hardening metal parts to exacting specifications. The tools can be operated on any spindle. Parts of virtually any configuration and material are accurately sized within "microns," with surface finishes as fine as 2 µin (0.05 µm)… in seconds!

Standard Roll-a-Finish tools are available from stock for inside diameters from 3.97 to 178mm, and for outside diameters from 1.0 to 65.1mm. The tools are easily adjustable, with a typical range of 1.1mm.

Standard internal range is offered in three styles:

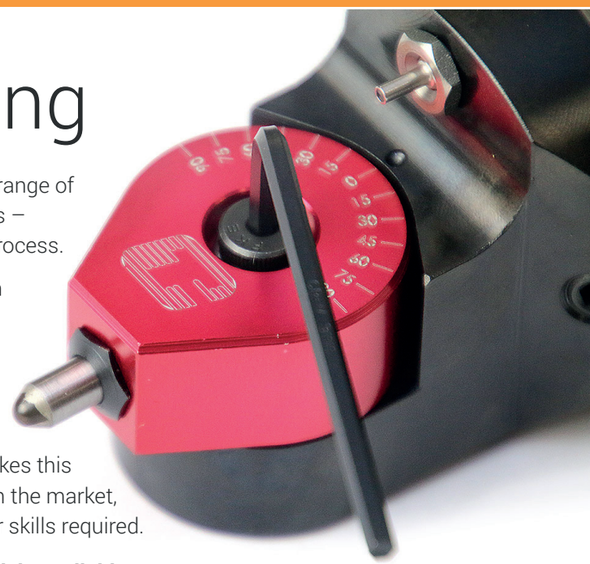
- **SRMR**: Through-hole style (machine-feeding)
- **SRMR-helix**: Through-hole style with helix cage (self-feeding)
- **SRMB:** Bottoming-style for blind hole (machine-feeding)

Universally speaking

Using Cogsdill's proven diamond insert geometry, our premium range of burnishing tools can achieve low Ra surface finishes in one pass – achieving results not attainable from any other metal removal process.

UDBT are designed to be adjustable through 180 degrees, which makes them the ideal choice tool for lower volume batch components where a designated orientated tool is not required.

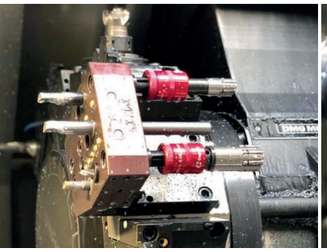
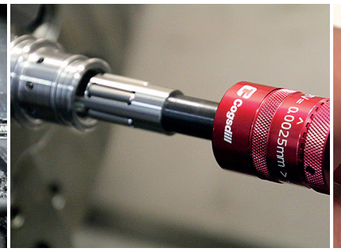
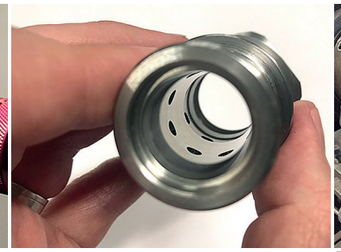
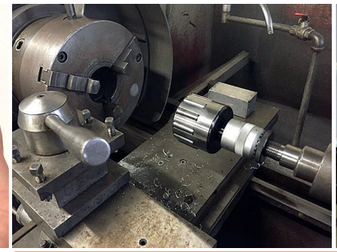
Offers flexibility for burnishing large bores, outside dia's, tapers and faces – and a superior finish compared to turning alone.

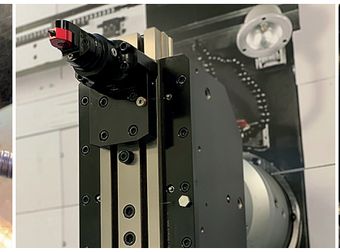
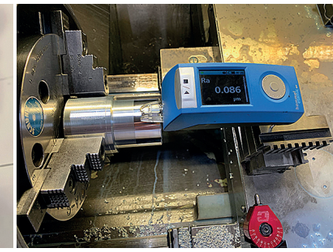


The quick and simple castellated adjustment makes this the most versatile diamond burnishing tool on the market, with simple set-up and no special operator skills required.

There are currently 2 standard models available:

- UDBT-S-25 (Straight Shank with 25mm square section)
- UDBT-C6 (Capto C6 Shank) – which is supplied with through coolant capability

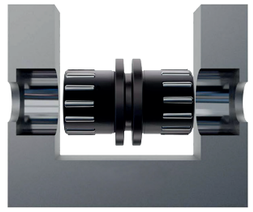



Whether large or small diameters, tapers, faces, contours – virtually any part configuration.

Special application tools on request.

Combination

Bespoke external


Bayonet style

Taper

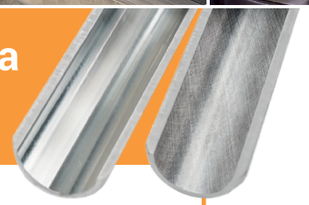
Double diameter

Fillet radius

Flat-face

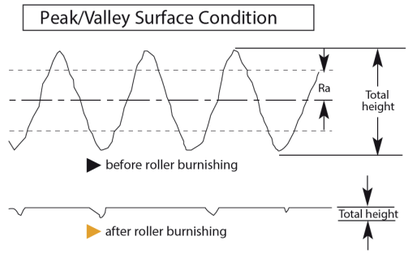
Internal/External Combination

Eliminate honing with a Roller Burnishing Tool



Accurate sizing. Mirror-like finish. In one-pass.

With a tough, work-hardened surface , a roller burnished surface is smoother and more wear-resistant than an abraded surface of the same profilometer reading.



In process manufacture, no other operations required.

For high volume applications, there are a multitude of dedicated tools specific to your machine configuration.

DB Series

Turning-Holder style, designed for use in a tool-post in either a manual or a CNC machine.

SMDBR Series

Mini round Boring-Bar style, designed for use in turrets in Swiss-Type CNC machines.

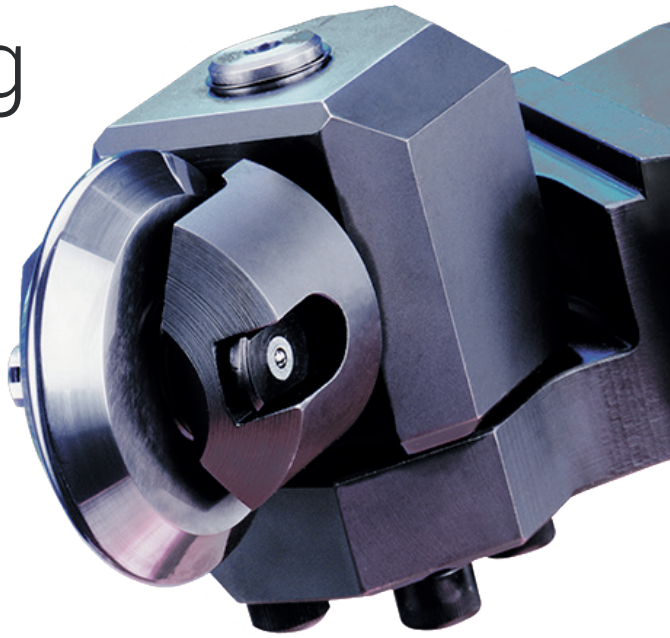
RDB Series

Round Boring-Bar style, designed for use in turrets in CNC machines.

SMDBS Series

Mini Turning-Holder style, designed for use in a tool-post in Swiss-Type CNC machines.

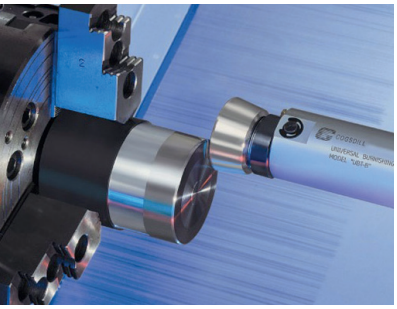
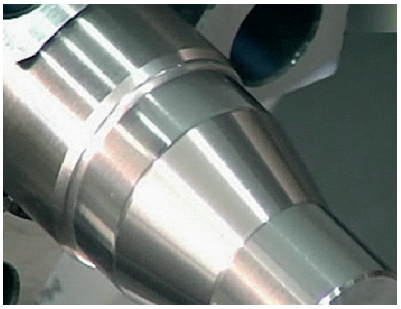
Versatile Burnishing

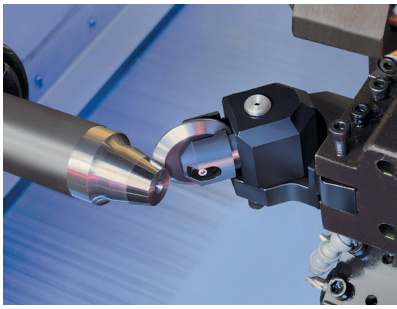


Cogsdill Universal Burnishing Tools are designed for burnishing shafts, faces, tapers, contours, and relatively large IDs (greater than 2.750 inches/69.85mm).

- Boring-Bar style and Indexable turning-holder style designs
- Turning-Holder styles available with force gauges.
- Tool designs to suit any part size or configuration, or any turning machine
- Low surface finishes
- Standard, available off-the-shelf
- Adjustable for optimum burnishing pressure
- Hardened steel or carbide rollers

We hold a range of tools and spare Carbide and HSS rolls in stock – here in the UK.



Two styles are available:

Boring-Bar Style

The Cogsdill UBT-B series are designed for use in a machine turret configuration on a CNC lathe, where differing diameters are required from a single tool set-up.

Turning-Holder Style

The Cogsdill UBT-T series are designed for use in an indexable turning holder configuration, mounted to a machine turret on a lathe.

Cogsdill

UK FACILITY

St. George's Way, Bermuda Ind. Est.
Nuneaton, England CV10 7JS

Tel: +44 (0) 2476 383792
Fax: +44 (0) 2476 344433
Email: sales@cogsdill.co.uk

See our tools in action on YouTube

Connect with us

cogsdill.co.uk