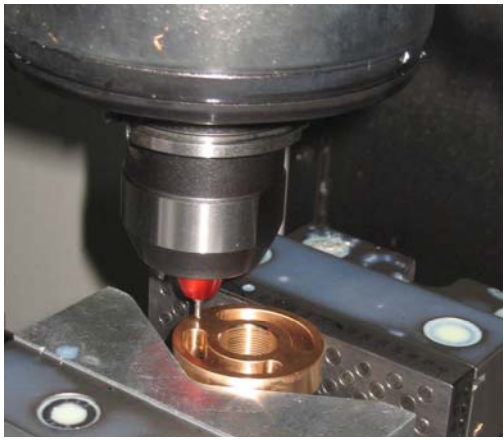
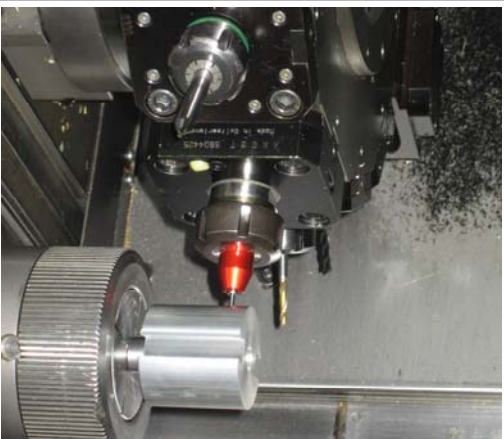


gravostar R

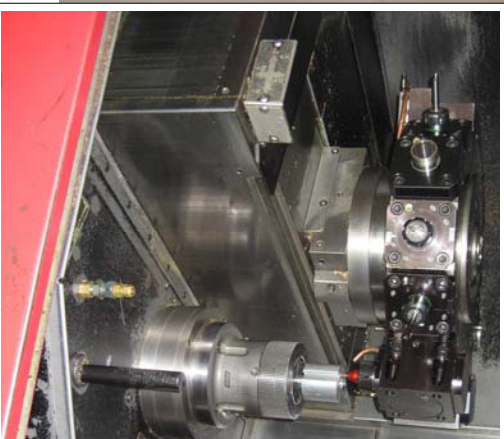
Marking tools for easy and uncomplicated parts marking on cutting machinery



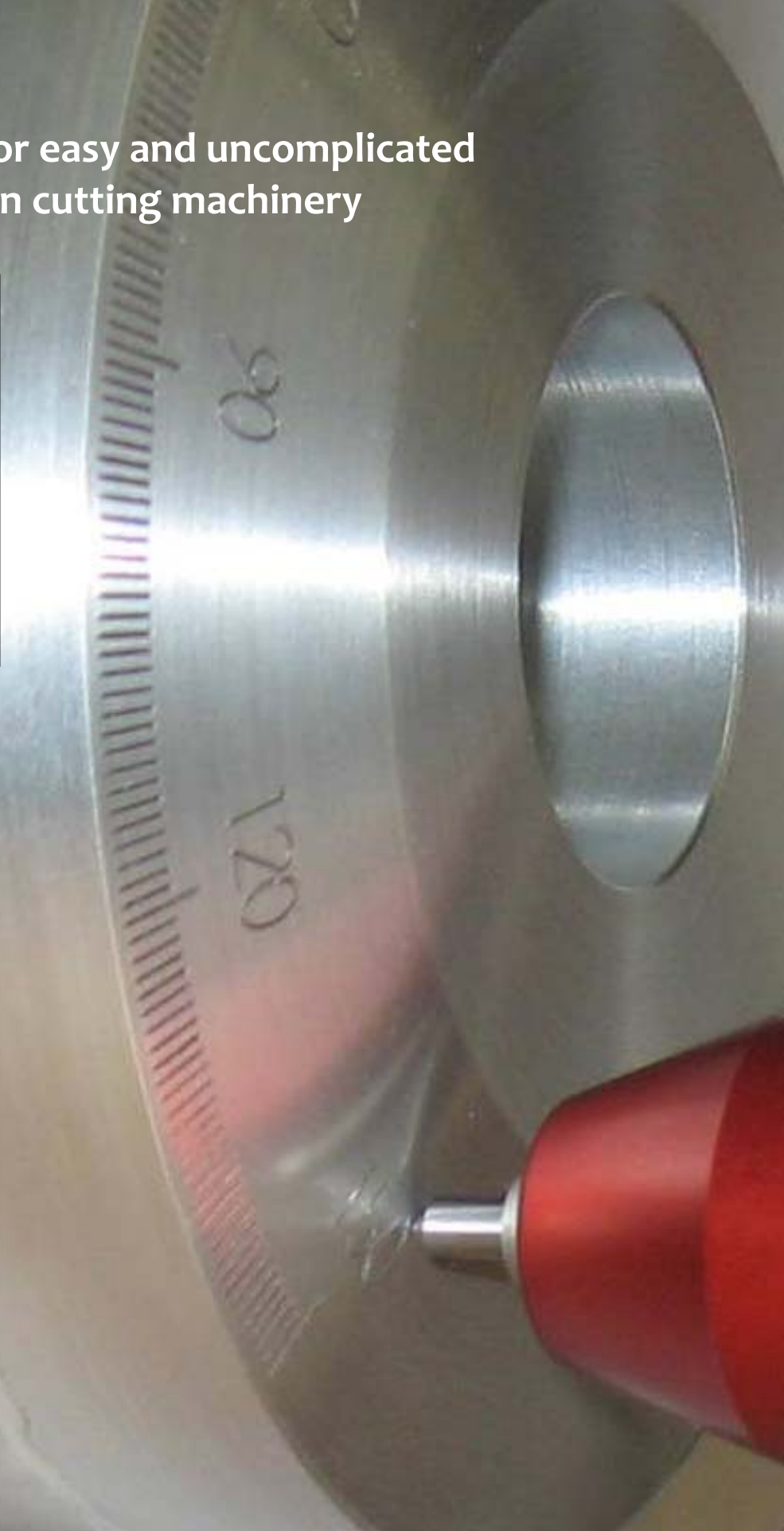
Marking of serial parts on a machining centre



Marking of a lateral area on an automatic lathe



Face-end marking on an automatic lathe



gravostar R - Series

Fully automated in-process marking of workpieces

The manufacturing and marking of parts take place in one and the same working process, i.e. each produced workpiece leaves the cutting machine already provided with the desired marking.

Very easy to use tools

Marking tools of the **gravostar R – Series** are easy to handle and can be used practically on all cutting machines.

The tools allow permanent and individual marking on straight and uneven surfaces. No need of rotational speed for the tool spindle. Their operation permits very high feed speeds of over 5'000 mm/min

Process sequence same as engraving

The parts are marked by a spring-loaded carbide needle which leaves a fine material compression on the positions passed over. Uneven surfaces with steps up to several millimetres difference are automatically compensated.

The **gravostar** is clamped into the machine tool holder and marking contours are unlike the engraving method followed by the machine axes.

Technical characteristics

- No needle drive is required
- Allows application with or without spindle revolution speed
- Individual spring-loaded pressure force of the marking needle
 - Tool type RM-20 is available in two degrees of pressure intensity
 - Tool type R-20 offers infinitely variable pressure adjustment
- Practically wear-free marking needle made of solid carbide with rounded tip
- Simplest exchange of the marking needle (as spare part in case of eventual clash)
- Automatic compensation of uneven surfaces to be marked
 - Type RM-12 up to 3 mm
 - Type RM-20 up to 4 mm
 - Type R-20 up to 6 mm
- Practically suitable for all kinds of material (hardness of surface to be marked up to approx. 62 HRC)

3 standard types are available

gravostar RM-12 (tool shank shaft diameter 12 mm)

ultra compact tool to be used in small tooling machines and for special applications

- suitable for rather fine markings



gravostar RM-20 (tool shank shaft diameter 20 mm)

compact tool to be used in tooling machines

- choice of two degrees of marking pressure



gravostar R-20 (tool shank shaft diameter 20 mm)

Tool for universal use in tooling machines

- marking pressure is infinitely adjustable via the adjusting sleeve

