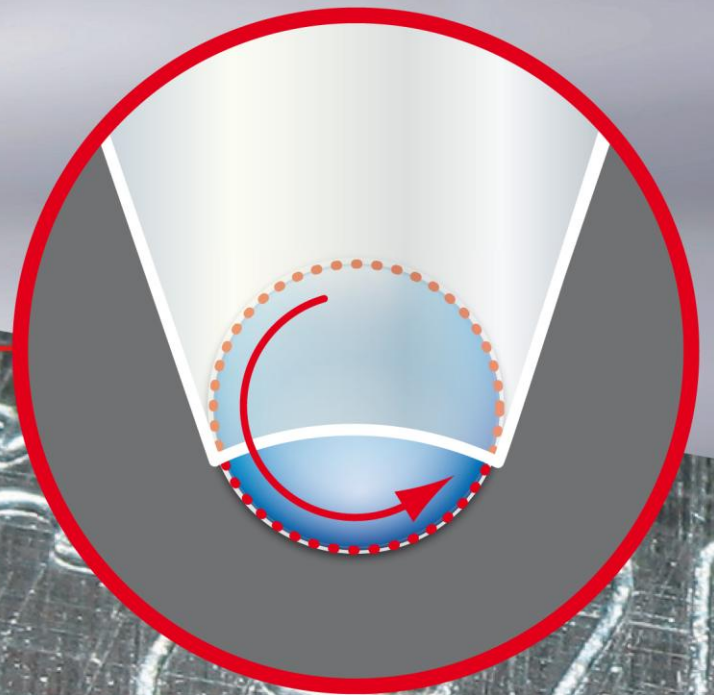


gravostar RB

## Roller embossing marking tools for automated in-process marking of workpieces

### Roller embossing ball made of carbide

- ✓ unequalled marking quality, up to now
- ✓ markings rolled-in without any cutting action
- ✓ uncomplicated use on all cutting machinery



## 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.

### Unequalled quality, up to now

As a result of a defined unrolling embossing ball the gravostar RB-line provides marking of an unequalled quality.

Markings are rolled into the surface of the workpiece by the embossing ball whereby no material fibres are cut through. Therefore this marking process does neither generate any sharp burrs nor degrade the material substance.

### Process sequence same as engraving

Marking contours are followed by the machine axes. The RB gravostar usually operates without rotating tool spindle and at high feed speeds of over 5'000 mm/min.

The marking unit with the embossing ball is tensioned by spring loading, thus uneven surfaces with steps up to several millimeters difference are automatically compensated for.

### Technical characteristics:

- No needle drive required
- Allows application with or without spindle revolution speed
- Individual spring-loaded pressure force of the roller embossing needle
  - Tool type RMB-20 is available in two degrees of pressure intensity
  - Tool type RB-20 offers infinitely variable pressure adjustment
- Practically wear-free marking unit with roller embossing ball made of special micrograin carbide
- Simplest exchange of the marking needle unit (as spare part in case of eventual clash)
- Automatic compensation of uneven surface to be marked
  - Type RMB-12 up to 3 mm
  - Type RMB-20 up to 4 mm
  - Type RB-20 up to 6 mm
- Practically suitable for all kinds of material (hardness of surface to be marked up to approx. 60 HRC)

### 3 standard types are available

#### gravostar RMB-12 (tool shank diameter 12 mm)

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

- suitable for rather fine markings



#### gravostar RMB-20 (tool shank diameter 20 mm)

compact tool to be used on various tooling machines

- choice of two degrees of marking pressure



#### gravostar RB-20 (tool shank diameter 20 mm)

marking tool for universal use on various tooling machines

- needle pretension pressure infinitely adjustable

