

# Monitoring

## Multi-Spindle Automatic Lathes

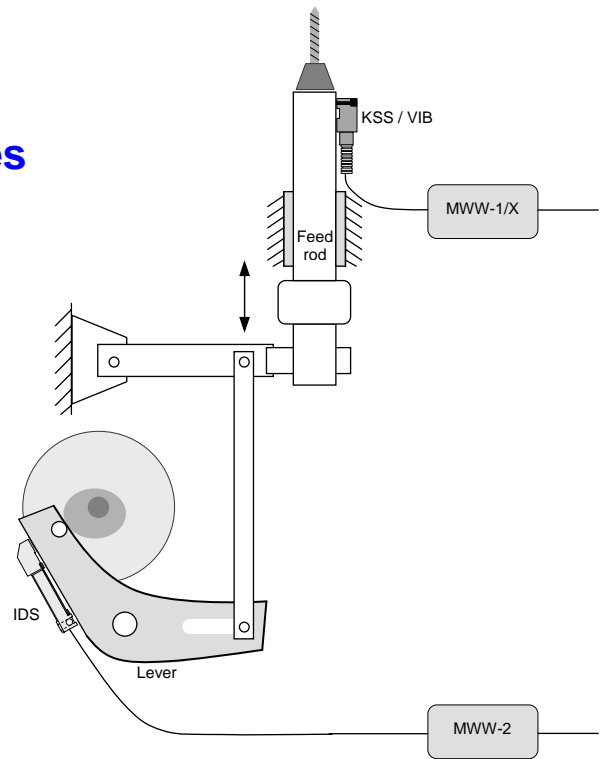
(Cam Operated)

### Target - setting

- Drilling
- Turning of e.g. bearings, small round parts

### Typical use

- Turning lathes
- Bar automatics
- 6 – 8 spindles
- > 8 spindles



### Easy monitoring

- Tool breakage
- Avoid of welding together of tool and workpiece

### Advanced monitoring

- Tool wear by IDS

### Difficult monitoring

### Signal

