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Schumacher | R&D Project
Project THUNDER

The new THUNDER technology is suitable for the following work piece materials

M Non-ferrous steels

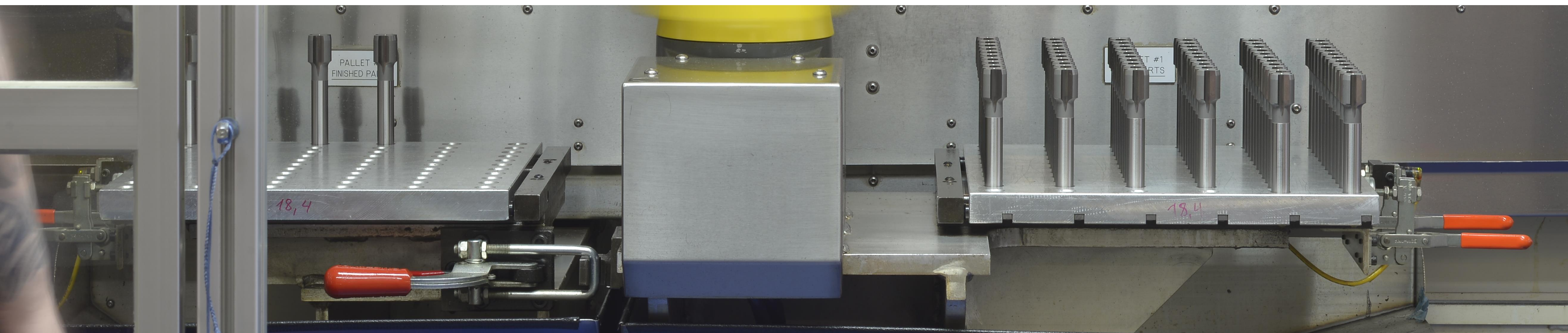
- Non-ferrous steels (V2A)
example: 1.4301
- Non-ferrous steels (V4A)
example: 1.4571
- Non-ferrous steels DUPLEX-steel
example: 1.4462

P1 Steel General Construction Steel up to 1.000 N/mm²

- Construction Steel
example: 1.0045 | S355JR
- Heat treatable Steel
example: 1.7225 | 42CrMo4

P2 High-strength Steel Steel up to 1.250 N/mm²

- Cold Working Steel
example: 1.2379 | X155CrVMo12-1
- Mould and Die Steel
example: 1.2085 | X33CrS16
1.2312 | 40CrMnMoS8-6



Three types of THUNDER taps – depending on the application you are targeting

1 THUNDER Classic

Your trouble-shooter for difficult blind hole applications

- HSS-E/PM
- Spiral Flute 45°
- Special multilayer coating XPRO II
- Chamfer Form C
- For blind holes up to 2,5 x D
- Design without full male center (for blind holes with short run-out)



2 THUNDER Form E

Your specialist for extremely short run-outs of the blind hole

- HSS-E/PM
- Spiral Flute 45°
- Special multilayer coating XPRO II
- For blind holes up to 2,5 x D
- Design without full male center (for blind holes with short run-out)

- Chamfer Form E



3 THUNDER IK

For deep blind holes with difficult chip evacuation

- HSS-E/PM
- Spiral Flute 45°
- Special multilayer coating XPRO II
- For blind holes up to 3 x D
- Design without full male center (for blind holes with short run-out)

- Internal coolant supply (central)

