

# BAP 110

Automatic profile sharpening machine with cam control system in wet grinding execution



With fully automatic of the grinding process and the possibility of tooth shape and tooth pitch adjustment.

## Highlights

- ✓ Extremely stable constructed grinding machine, manufactured in a robust steel construction
- ✓ Tooth pitch and tooth form adjustment are possible on this machine
- ✓ The entire feed unit runs in an oil bath and is therefore maintenance-free
- ✓ Mechanism and grinding head guide are mounted with hardened shafts and ball sleeves, easy to maintain and without lubrication points
- ✓ Direct drive of the grinding wheel, including grinding wheel flange
- ✓ Including frequency converter for adjustable feed speed

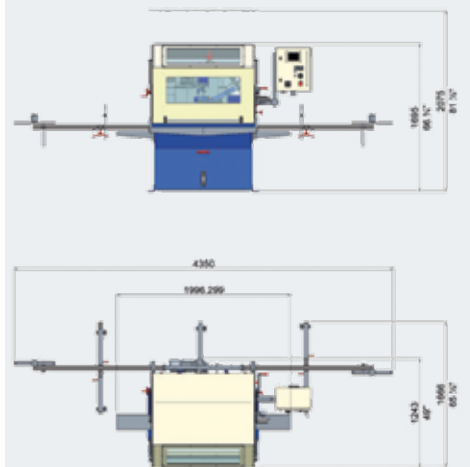
## Application programmes



Grinding of standard tooth forms

The selection of the tooth shape is generated via a tooth form cam that matches the profile.

## Technical Data



### GENERAL INFORMATION:

|                     |                         |
|---------------------|-------------------------|
| Tooth pitch (Var 1) | 25 – 60 mm              |
| Tooth pitch (Var 2) | 18 – 50 mm              |
| Tooth height        | 6 – 20 mm               |
| Rake angle          | 5 – 35°                 |
| Tooth shapes        | 1 - 3 Profile eccentric |

### BAND SAWS:

|                             |               |
|-----------------------------|---------------|
| Saw blade width (standard)  | 70 – 360 mm   |
| Saw blade width (optional)  | 25 – 360 mm   |
| Saw blade length (standard) | from 6'000 mm |
| Saw blade length (optional) | from 4'000 mm |

### GRINDING WHEEL:

|                         |                |
|-------------------------|----------------|
| Bakelite grinding wheel | Ø 300 mm       |
| Grinding wheel CBN      | Ø 250 – 300 mm |
| Bore                    | Ø 32 mm        |
| Peripheral speed        | adjustable     |

### PROPERTIES:

|                       |                  |
|-----------------------|------------------|
| Electrical connection | 400V 3Ph N       |
| Connected load        | 3.6 kVA          |
| Grinding wheel motor  | 2.2 kW           |
| Weight                | approx. 1'000 kg |
| Coolant tank          | approx. 200 l    |