

# METZNER AM 3800 / AM 3850













For powerful and versatile cable processing



## FEATURES

- Automatic cutting to length
- Multi-stage stripping (AM 3850 also of coaxial cables)
- „Double knife cutting system“ for more output
- User friendly software with touch screen
- Cable diameter up to 20 mm

## PROCESS OVERVIEW AM 3800 AND AM 3850

|  |   |  |  |
|--|---|--|--|
|  | Cutting of cables and strands               |  | Jacket stripping of multi conductor cables             |
|  | Stripping with partial and full pull-off    |  | Incise cutting and length slitting                     |
|  | Window stripping                            |  | Metal braid stripping with protection cap              |
|  | Extremely long pull-offs in multiple stages |  | Multi-step stripping                                   |
|  | Cutting and stripping of teflon cables      |  | Wire processing  |
|  | Printing and marking                        |  | Multi-step processing of coaxial cables (AM 3850 only) |



## ALL TECHNICAL DETAILS AT A GLANCE

| Performance data                              | AM 3800                                 | AM 3850   |
|---|---|---|
| Wire size range stranded/solid                | 70 mm <sup>2</sup>                      |   |
| Cable diameter max.                           | 20 mm                                   |   |
| Length interval                               | 0.1 mm                                  |   |
| Typical repeat accuracy                       | ± (1mm + 0.2 % l)                       |   |
| Feeding speed max.                            | 180 MPM                                 |   |
| Stripping length max. Cable start   Cable end | 75-200 mm   0-145 mm                    | 0-200 mm   0-145 mm                                   |
| Cable length min.   max.                      | 20 mm   200,000 mm                      |   |
| Wire stripping force                          | 250 N                                   |   |
| Equipment                                     | AM 3800                                 | AM 3850   |
| Cutting system                                | knife                                   | knife and rotary unit                                 |
| Feeding system                                | belt                                    |   |
| Cutting                                       | ✓                                       | ✓   |
| Stripping with full pull-off                  | ✓                                       | ✓   |
| Stripping with partial pull-off               | ✓                                       | ✓   |
| Slitting                                      | ✓                                       | ✓   |
| Multistage stripping                          | 3 stages on each side                   |   |
| Ribbon cable                                  | –                                       | –   |
| BOM processing                                | ✓                                       | ✓   |
| Material end recognition                      | ✓                                       | ✓   |
| Cable length compensation                     | ✓                                       | ✓   |
| Recipe data management                        | ✓                                       | ✓   |
| Length measuring system                       | option                                  | option  |
| Printing interface                            | option                                  | option  |
| Interface for peripherals                     | option                                  | option  |
| IT network interface                          | option                                  | option  |
| Rotary cutting unit                           | –                                       | ✓   |
| Length slitting unit                          | option                                  | option  |
| Networking / MES interface (Industry 4.0)     | option                                  | option  |
| Remote servicing                              | PC integrated                           | PC integrated   |
| USB/Ethernet                                  | ✓                                       | ✓   |
| Blades  | V blade, Radius V blade, Slitting blade | V blade, Radius V blade, Slitting blade, Rotary blade |
| Number of pairs of blades in use              | 2                                       | 2   |
| Technical data                                | AM 3800                                 | AM 3850   |
| Dimensions (L x W x H)                        | 691 mm x 788 mm x 926 mm                | 928 mm x 788 mm x 926 mm                              |
| Electrical connection                         | 230 V   50 Hz                           |   |
| Compressed air connection                     | 6 bar                                   |   |
| Weight  | 130 kg                                  | 160 kg  |
| Drive   | SPS / PC                                |   |
| Display                                       | 15" touch screen                        |   |
| Consumption kVA   bar                         | P: 0.8 kVA   approx. 50 l/min.          |   |
| Noise (idle)                                  | < 75dB (A)                              |   |