

Electro-mechanical Assembly Press

UFM Basic 50/330/150



Article No.: 375050

The electro-mechanical assembly presses are designed for basic applications in automatic assembly lines or manual loaded stations. Following components are part of the unit: robust mechanic with AC-servomotor, ball screw spindle for transfer the rotation into a linear movement, integrated force transducer measuring force directly and control unit.

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|-------------------------------|---|---------------------------------------|
| Main functions | Nominal load | 50 kN |
| | Stroke | 330 mm |
| | Nominal speed | 150 mm/s |
| | Dwell time of nominal load | min. 0,5 s |
| | Weight | 159 kg |
| | Max. tool weight | 20 Kg |
| Force measuring | Integrated strain gauge | |
| | Characteristic value | 1 mV / V |
| | Transducer accuracy (dismantled) | 0,5% |
| | System accuracy | < 1,5% |
| | Resolution | 12 Bit |
| | Smallest measuring step | 12,2 N |
| | Amplifier / W*H*D | Al-diecast housing / 150*64*36 |
| | Output signal | +/- 10 VDC |
| | Protection class | IP 54 |
| Distance measuring | Resolver | |
| | Resolution | 4096 I/U, = 0,5 µm |
| | Repeatability of positioning | < 0,01 mm |
| Drive | All-digital pulse-inverter with steady intermediate voltage | |
| | Type / W*H*D | SP2402 / (155*389*260 mm) |
| | Nominal unit capacity | 11 kW |
| | Mains voltage | 3 AC 380 V - 480 V, +/-10 %, 48-65 Hz |
| | Cable cross sectional – area Input / Output | 4 / 4 mm ² |
| | Protection class | IP 20 |
| | Weight | 7 kG |
| | Recommended protection | IEC gG / 25 A |
| | Temperature range | - 10 ... + 50 °C |
| | Thermal power loss | 286 W |
| PLC Interface (24 VDC) | Standard | 3 I / 4 O |
| | Optional: Program change module | 4 I / 4 O |
| PLC fieldbus interface | Optional | Profibus |

