

INNOVATIVE DESIGN

HIGHLY-EFFICIENT TWO COLOR PRINTING

Time Savings, Flexibility and User
Friendliness



MTE Pad Printer

Innovative design enables Morlock MTE (Morlock Twister Ergonomic) Systems to complete both ink pick up and print in a single cycle while also efficiently alternating between print and cleaning.

Morlock provides three versions of the MTE: the MTE Quick, MTE 125 and the MTE Long Slide. The MTE 125 provides larger printing areas as well as superior printing force. The MTE Long Slide prints images up to 300 x 90mm.

Features

Flexible Decoration

Single- and multi-color print in range of sizes. Individually controlled printheads are capable of printing at two different depths on the same piece.



Time Savings



Ink pick up and print in single pass with efficient alternating between printing and cleaning. **Up to 15% faster process** than alternative pad printers.

User-Friendly Interface

Programmable Print & Cleaning Sequences.

Up to 21 adjustable, programmable print and cleaning sequences available for flexible print configuration. Intuitive, touch screen HMI results in **up to 20% faster changeovers**.



Long-Slide Series



For long print images (up to 300x90mm) – Ideal for large appliance decoration.

Highlights



- Height adjustable angle table
- Cliché adjustment (X-Y- angle adjustments)
- Adjustable print pressure
- Manual or integration into existing automation
- Compact ink cup system – Morlock MCI (patented)

MTE Comparison Table

| | MTE Quick 3.0 | MTE 125 | MTE LONG SLIDE |
|--------------------|-------------------------------------|--|--|
| Cliché size | 125 x 250 mm | 150 x 280 mm | 125 x 600 mm |
| Maximum print size | Ø 105 mm / 70 x 70 mm | Ø 105 mm / 70 x 70 mm – 160 x 80 mm with oval ink cup | max. 300 x 90 mm |
| Pad stroke | 160 mm vertical | 160 mm vertical | max. 160 mm |
| Speed | 700 pieces/hour in two colors | 500 pieces/hour in two colors | 350 pieces/hour in two colors |
| Drive | Pneumatic | Pneumatic | electromechanical and pneumatic pad stroke and printing head |
| Controls | SPS SIEMENS S7 | SPS SIEMENS S7 | SPS SIEMENS S7 |
| Voltage | 230 V ~ 50/60 hz / 400 V ~ 50/60 Hz | 230 V ~ 50/60 hz | 400 V ~ 50/60 Hz |
| Power consumption | app. 500 W | app. 1 500 W | app. 1 500 W |
| Weight | app. 450 kg | app. 1.800 kg | app. 2.000 kg |
| Dimensions | app. 1000 x 900 x 2000 mm | app. 1800 x 1300 x 1950 mm | app. 1600 x 1530 x 1950 mm |

Wide Variety of Options

Optional accessories include part presence detection, rotary dial tables, x/y tables, linear slides, and custom rotating fixtures which can all be controlled by the same user interface. Pad cleaning tools, safe guards, foot switch and pad blower are available on request. Morlock provides all required consumables including inks, pads and clichés.

