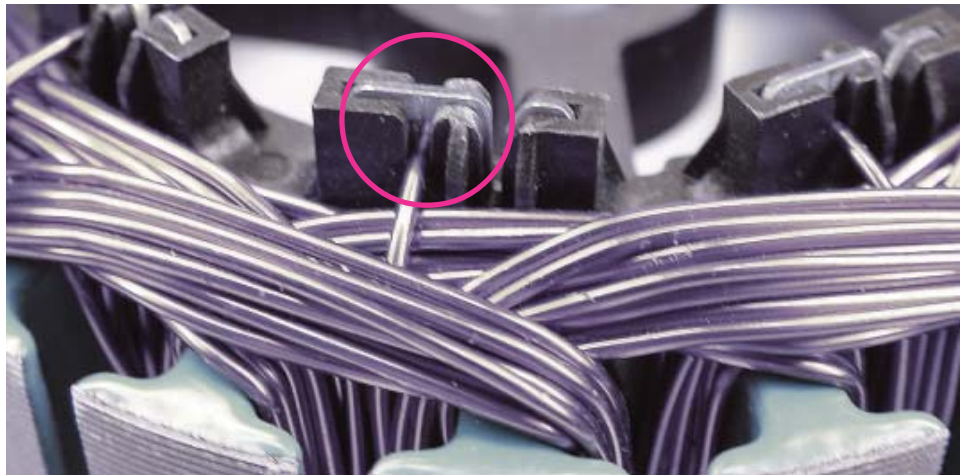


Applying SIAMEZE Terminals

**Features**

- 1 to 4 contacts can be applied per machine cycle depending on terminal type
- Can be used as bench machine in combination with an appropriate bobbin fixture or can be easily integrated into production lines using simple hand-shake signals.
- Fine adjustment mechanism for insertion depth
- Microprocessor controlled operation
- Operating conditions such as the batch count, total count, error messages, and ready state will be displayed
- The display helps the operator to step through the machine sequence or manually cycle the machine for set up or easy diagnosis of problems
- Motor drive as an option



The inserter for magnet wire coil terminations provides a gastight, electrically correct connection between magnet wires and contacts using the insulation displacement technique without the prior removal of the lacquer.

It is designed to apply multiple different contacts and will be customized according to the customer or product specific requirement.

A maximum of four contacts can be applied per machine cycle. This also gives the opportunity to use the contacts as single contacts or in strip form (bridge function adjusted "on-the-fly").

The termination process comprises of the following steps:

1. Contacts are fed from the reel.

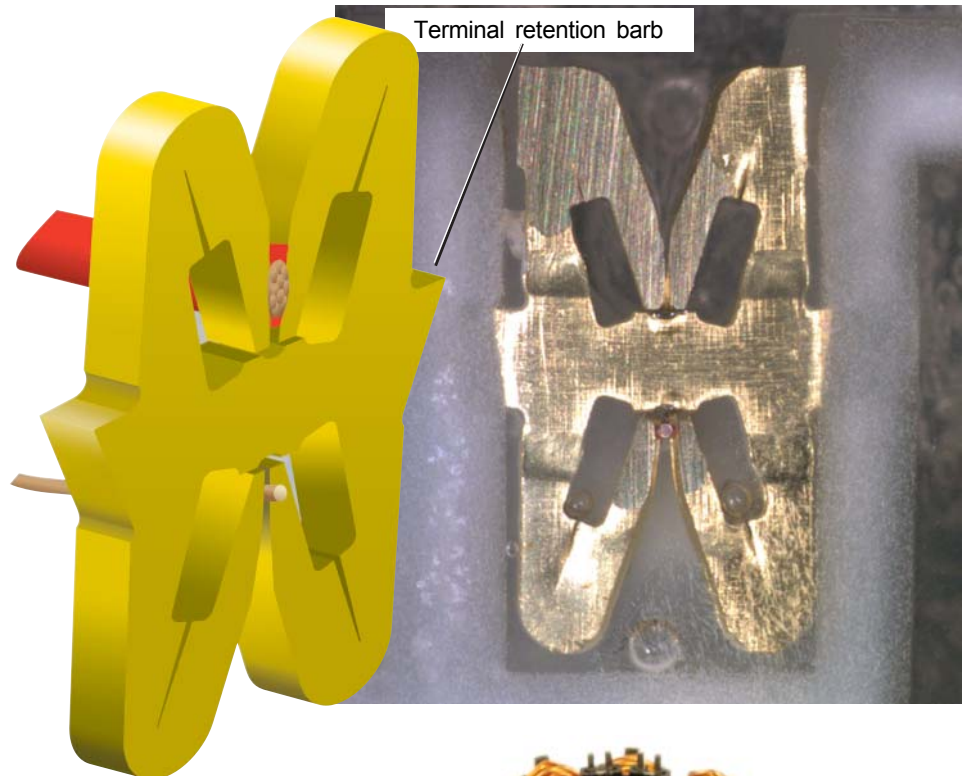
2. Contacts are separated from the carrier strip.
3. Contacts are inserted into positioned plastic cavities, which produce a stable electrical termination.
4. Excess magnet wire is trimmed.

**Machine  
PN 528017**

Applying SIAMEZE Terminals

**Technical Data**

- Pneumatic drive with PLC
- Pneumatic air supply  
600 kPa
- Electric power supply  
230 V / 50 Hz
- Cycle time  
0.9 - 1.5 sec, depending  
on contact type
- Mass  
Approx. 20 kg
- Dimensions machine [mm]  
W x H x D = 220 x 200 x 600
- Dimensions control unit  
[mm]  
W x H x D = 380 x 210 x 380
- Space requirements [mm]  
W x H x D =  
1400 x 800 x 1030  
without reel holder  
W = 1800 with reel holder



**Compatible**

**Tyco Electronics  
SIAMEZE Terminals**

- Standard range for magnet  
wire with  $\varnothing$  0.16 - 1.0 mm
- Fine range for magnet wire  
with  $\varnothing$  0.13 - 0.38 mm
- Medium range for magnet  
wire with  $\varnothing$  0.56 - 2.3 mm
- Max. terminal length  
approx. 30 mm

