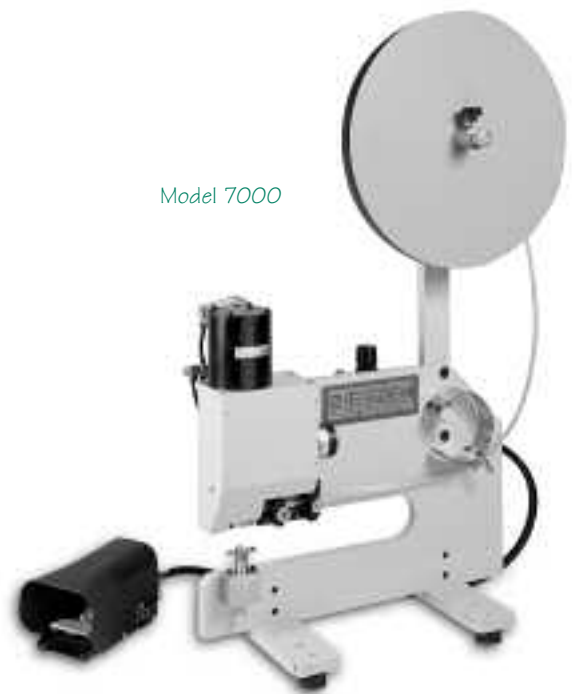


Semi-Automated Terminal Insertion System

For Low to Medium Volume Applications



Model 9700 X,Y



Model 7000



Model 9700

Zierick's family of semi-automated terminal insertion systems simplifies your applications, and provides the greatest range of functionality and flexibility for your component insertion needs.

Our complete line of insertion systems includes the Model 9700 X,Y, Model 9700 and Model 7000. All three models are designed to deliver economical, user-friendly insertion automation, and each brings specific benefits to help you get the most out of any application.

The Model 9700 X,Y, Model 7000 and Model 9700 feature:

- Fast component delivery
- User-friendly operation
- Efficient insertion for a range of applications
- Compatibility with Zierick terminals and connectors
- Sturdy construction for long life
- Accurate, repeatable results
- Quick change tooling
- Fast cycle time



Zierick's Model 9700 X,Y Terminal Insertion System is fully automatic, with a machine cycle rate of over 5,000 pph.

Designed for maximum reliability, the Zierick Model 9700 X,Y Positioning System terminal insertion system is an ideal work cell for production lines, and provides solutions for the fluctuating demands of contract manufacturers. Its modular tooling reduces downtime between terminal changeovers to keep things moving on your shop floor.

The system's interchangeable applicator tooling offers several features that improve overall performance. And its High-grade tool steel construction protects the unity, reduces chipping and breakage, and ensures accurate performance use after use.

The 9700 X,Y incorporates a modified 9700 terminal insertion machine with a dual axis positioning system to achieve high speed, repeatable insertions through a set of programmed coordinates. User interface is through a series of menus presented to the operator via touchscreen controls.

Programming can be done manually through a simple jog and teach process, or

specific data points can be downloaded directly to the PLC with an optional data connection kit. The unit is capable of storing fifty programs with one hundred position points each, all of which can be modified, deleted, or added to at any time during operation.

The 9700 X,Y has the capability to automatically check the validity of any series of taught insertion points.

The system is a self-contained positioning and insertion unit, which is designed to fit on a standard bench top and require minimal user intervention. Once programmed and aligned for a specific board pattern, the system will provide fast, repeatable insertions without the need for adjustment or calibration.

Benefits

Basic Features

- Fully Automatic
- 12" x 12" PC board capacity
- High speed servo driver platform
- Machine cycle rate capable of over 5,000 pph

- Easy operator programmability
- Standard Model 9700 tooling compatibility
- Dedicated or adjustable board Fixturing options
- Ergonomic safety cover package
- Compact table top design
- Optional CE compliance

Air Requirements

- 90-120 PSI (6.2 - 8.3 bar)
- 8 CFM (3.8 L/S)

Power Requirements

- 120 VAC, 50-60 Hz, 2 AMPS
- Optional 100/240V, 50-60 Hz, 1 AMP

Dimensions

- Length 48" (1219 mm)
- Depth 45" (1143 mm)
- Height 38" (965 mm)
- Weight 275 lbs. (125 Kgs.)

The Model 9700

The Model 9700 delivers fast performance, with production rates up to 5,000 pph, and inserts Zierick's full range of continuous strip PCB terminals and connectors.

Flexibility makes the Model 9700 ideal for production lines and manufacturers. Its sleek, compact appearance is combined with a rugged yet lightweight construction, providing dependable performance in a small bench-top footprint.

This model is designed for easy operator use, and set-up, alignment, and terminal changeover are accomplished by a number of key equipment features. These features include interchangeable applicator tooling, calibration tools for head-to-anvil alignment, fewer moving parts, and accurately-machined mating surfaces.



Benefits

Basic Features

- Interchangeable tooling
- Self-locating anvil/lower tooling
- Cycle rate up to 5,000 pph
- Modular head, anvil, & feed
- Microprocessor controlled
- Automatic activation system
- Optional CE compliance

Air Requirements

- 90-120 PSI (6.2-8.3 bar)
- 8 CFM (3.8 L/S)

Power Requirements

- 120 VAC, 50-60 Hz, 2 AMPS
- Optional 100/240V, 50-60 Hz, 1 AMP

Dimensions

- Length 33.5" (851mm)
- Depth 15" (381mm)
- Width 12" (305mm)
- Weight 118 lbs. (53.5Kgs)
- Throat Depth 15" (361mm)

The Model 7000

For low to medium volume applications, the Model 7000 delivers cost-effective, semi-automated PCB terminal insertion. This powerful bench-top machine provides an output range of up to 2,000 pph, and operates pneumatically with a supply reel of continuous format, PCB-mountable terminals.

The easy-to-operate, pedal-activated unit incorporates an integral PCB locator with the terminal application tooling.



Benefits

Basic Features

- Output rates up to 2,000 pph
- Fully pneumatic operation

Air Requirements

- 60 PSI (4.1 bar)
- Dry air supply

Dimensions

- Height 45" (1143mm) with 30" (762mm) reel
- Depth 12" (305mm)
- Width 21" (533mm)
- Weight 90 lbs. (41Kgs)

Insertion Machine Tooling per Terminal Part Number

Application Tooling is available for the following part numbers.

Part Number	Product Type	Tool Set	7000 9700 9700 XY			Part Number	Product Type	Tool Set	7000 9700 9700 XY		
			7000	9700	9700 XY				7000	9700	9700 XY
6021	Quick Disconnect Terminal	-7	✓	✓	✓	6080	Quick Disconnect Terminal	-27		✓	✓
6022	Accu-Pak Receptacle	-8		✓	✓	6092	Accu-Pak Receptacle	-24		✓	✓
6024	Quick Disconnect Terminal	-2C		✓	✓	6101	Bottom Entry 2 Beam Receptacle	-57		✓	✓
6025	Accu-Pak Receptacle	-9		✓	✓	6110	Quick Disconnect Terminal	-48		✓	✓
6026	Accu-Pak Receptacle	-9A		✓	✓	6112	Quick Disconnect Terminal	-37		✓	
6027	Quick Disconnect Terminal	-2B		✓	✓	6113	Quick Disconnect Terminal	-38		✓	
6032	Test Point Terminal	CF		✓		6114	Torsion-Lok IDC	-41		✓	✓
6033	Test Point Terminal	CF		✓		6115	Quick Disconnect Terminal	-43		✓	✓
6037	Accu-Pak Receptacle	-8		✓	✓	6118	Accu-Pak Receptacle	-24		✓	✓
6039	Torsion-Lok IDC	-11		✓	✓	6119	Torsion-Lok IDC	CF		✓	
6041	Quick Disconnect Terminal	-10	✓	✓	✓	6123	Accu-Pak Receptacle	-8		✓	✓
6042	Quick Disconnect Terminal	-28		✓	✓	6134	Quick Disconnect Terminal	-44A		✓	✓
6045	Quick Disconnect Terminal	-19	✓	✓	✓	6140	Quick Disconnect Terminal	-46A		✓	✓
6057	Quick Disconnect Terminal	-20	✓	✓	✓	6141	Quick Disconnect Terminal	-46		✓	✓
6058	Test Point Terminal	-14A		✓	✓	6142	Quick Disconnect Terminal	CF		✓	✓
6059	Test Point Terminal	-14		✓	✓	6143-xxx	Accu-Post Terminal	-32		✓	✓
6060	Quick Disconnect Terminal	-39	✓	✓	✓	6148	Quick Disconnect Terminal	CF		✓	✓
6061	Quick Disconnect Terminal	-12		✓	✓	6149	Quick Disconnect Terminal	CF		✓	✓
6062	Bottom Entry 4 Beam Receptacle	-23A		✓	✓	6152	Quick Disconnect Terminal	-27		✓	✓
6062-xxx	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6154	Accu-Pak Receptacle	-8		✓	✓
6062-100	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6166	Quick Disconnect Terminal	CF		✓	✓
6062-101	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6172	Quick Disconnect Terminal	-49		✓	✓
6062-200	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6173	Quick Disconnect Terminal	-50		✓	
6062-300	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6174	Torsion-Lok IDC	-51		✓	✓
6062-400	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6176	Wire Gripper	-52		✓	✓
6062	Bottom Entry 4 Beam Receptacle	-23		✓	✓	6182	Torsion-Lok IDC	CF		✓	✓
6063	Quick Disconnect Terminal	-17A	✓	✓	✓	6183	Torsion-Lok IDC	CF		✓	✓
6064	Quick Disconnect Terminal	-17	✓	✓	✓	6185	Torsion-Lok IDC	-78		✓	✓
6065	Quick Disconnect Terminal	-2C		✓	✓	6186	Quick Disconnect Terminal	-54		✓	✓
6066	Quick Disconnect Terminal	-2B		✓	✓	6187	Top Entry 2 Beam Receptacle	-23		✓	✓
6069	Test Point Terminal	-15A		✓	✓	6188	Accu-Pak Receptacle	-24		✓	✓
6072	Torsion-Lok IDC	CF		✓	✓	6193	Bottom Entry 2 Beam Receptacle	-23		✓	✓
6072-17	Torsion-Lok IDC	-31		✓	✓	6198	Quick Disconnect Terminal	-7	✓	✓	✓
6073-350	Accu-Post Terminal	-33 (X)		✓	✓	6200	Bottom Entry 2 Beam Receptacle	-23		✓	✓
6073-360	Accu-Post Terminal	-33 (X)		✓	✓	6201	Quick Disconnect Terminal	-55		✓	✓
6073-380	Accu-Post Terminal	-33 (X)		✓	✓	6205	IDC Tab	-56		✓	✓
6073-400	Accu-Post Terminal	-33 (X)		✓	✓	6212	Quick Disconnect Terminal	-20		✓	✓
6073-490	Accu-Post Terminal	-33 (X)		✓	✓	6221	Accu-Pak Receptacle	-58		✓	✓
6073-xxx-x	Accu-Post Terminal	-33 (X)		✓	✓	6224	Quick Disconnect Terminal	-20		✓	✓
6074-060-x	Accu-Post Terminal	-40		✓	✓	6225	Accu-Pak Receptacle	-8		✓	✓
6074-xxx-x	Accu-Post Terminal	-32		✓	✓	6241	Accu-Pak Receptacle	-9A		✓	
6075-250	Accu-Post Terminal	-45 (X)		✓	✓	6259	Right Angle Tab	-61		✓	✓
6075-312	Accu-Post Terminal	-45 (X)		✓	✓	6271	PCB Receptacle	-64		✓	✓
6075-375-5	Accu-Post Terminal	-45 (X)		✓	✓	6834	Quick Disconnect Terminal	-3A	✓	✓	✓
6075-450	Accu-Post Terminal	-45 (X)		✓	✓	6835	Quick Disconnect Terminal	-3	✓	✓	✓
6075-500	Accu-Post Terminal	-45 (X)		✓	✓	6836	Quick Disconnect Terminal	-7	✓	✓	✓
6075-625	Accu-Post Terminal	-45 (X)		✓	✓	6894	Quick Disconnect Terminal	-2C		✓	✓
6075-750	Accu-Post Terminal	-45 (X)		✓	✓	6895	Quick Disconnect Terminal	-2B		✓	✓
6075-875	Accu-Post Terminal	-45 (X)		✓	✓	6901	Quick Disconnect Terminal	-4		✓	✓
6075-xxx-x	Accu-Post Terminal	-45 (X)		✓	✓	6948	Quick Disconnect Terminal	-6		✓	✓
6075-930	Accu-Post Terminal	-45		✓	✓	6949	Quick Disconnect Terminal	-6A		✓	✓
6077	Quick Disconnect Terminal	-34	✓	✓	✓	6956	Quick Disconnect Terminal	-5A		✓	✓
6078	Quick Disconnect Terminal	-34A	✓	✓	✓	6957	Quick Disconnect Terminal	-5		✓	✓

CF = Consult Factory