OTP High Precision Horizontal & Straight Crimping Molds JW-AP31

Model No. JW-AP31



SPECIFICATIONS

Model	OTP High Precision Horizontal/ Straight Molds
Type	Horizontal die, Pneumatic mold, Straight mold
Application	Wire crimping machine
Compatibility	Terminal Machine Applicator
Crimping Type	Horizontal and vertical crimping
Design	U-shaped mold configuration

The JW-AP31 is an OTP horizontal die in the straight-mold configuration, with a pneumatic version for air-driven heads. The ram carries a straight, flat-faced crimper that closes into a U-shaped lower nest, mounted on a cast base.

A straight crimper closes the barrel from one flat face instead of from a contoured U punch, which is why the supplied photograph can show insulated ring, fork, bullet and butt terminals together with bare tube ends: the nest sets the position and the flat face seats on the barrel. Crimp height is taken from ram adjustment rather than from the die contour.

The die is a replacement part for existing OTP applicators on wire crimping machines. Horizontal and vertical crimping are both listed for the series, and the pneumatic mold version is specified where the machine drives the die from an air head.

Key Features

1. Straight crimper - flat-faced punch closing into a U-shaped lower nest.

2. Pneumatic mold version - for heads actuated by air rather than by a mechanical ram.

3. Wide terminal coverage - insulated and bare terminals are shown on the same nest in the supplier's photo.

4. Horizontal die body - strip presented from the side, ram travel vertical.

5. OTP applicator fit - mounts to the terminal machine applicator station of a wire crimping machine.

6. Replaceable crimper and anvil - both bolted to the body and removable for service.

Technical Specifications

Parameter	Specification
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Application	Wire Crimping Machine
Compatibility	Terminal Machine Applicator
Crimping Type	Horizontal and Vertical
Design	U-shaped Mold Configuration

Applications

— Insulated ring and fork terminals on OTP wire crimping machines, one stroke per terminal.

— Bare tube and butt ends closed on the straight face, for earth and power leads.

— Pneumatic heads where the applicator has no mechanical linkage to the press ram.

— Re-die of an existing wire crimping machine with a straight-profile nest.

— Mixed terminal batches where one nest has to accept several terminal styles.

OTP high precision horizontal mold



Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application:
It is suitable for high-precision terminal and connection wire manufacturers with very high requirements for crimping. The ingredients are QPQ and heat-treated fine embroidery technology, which can make the product size more accurate, and it is common with JAM, Xinming and terminal machines.



4S-40 pneumatic horizontal die

Feeding stroke: 40mm
Slider stroke: 40mm
Scope of application: suitable for European and American series automatic and semi-automatic crimping equipment, C.H/I.H adjustment accuracy is 0.02mm, suitable for various horizontal terminals

4E-40 pneumatic straight mold



Feeding stroke: 40mm
Slider stroke: 40mm
Scope of application: suitable for European and American series automatic and semi-automatic crimping equipment, C.H/I.H adjustment accuracy is 0.02mm, suitable for various straight terminals



4S-30 pneumatic horizontal die

Feeding stroke: 40mm

Slider stroke: 30mm

Scope of application: It is suitable for Japanese series automatic and semi-automatic crimping machines and domestic 30-stroke terminal machines. The crimping knife is common with OTP, and the C.H/I.H adjustment accuracy is 0.02mm.

4E-30 mechanical straight mold



Feeding method: direct delivery

Feeding stroke: 30mm

Slider stroke: 30mm

Scope of application: suitable for automotive terminals, can be used for conventional terminal machines, fine-tuning single grid is 0.02mm, large adjustable range, high precision.



JST horizontal mode

Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 40mm
Scope of application: suitable for JST automatic terminal machine and hand punching machine.

JST straight mold

Feeding method: direct delivery
Feeding stroke: 30mm
Slider stroke: 40mm
Scope of application: Suitable for JST automatic terminal machine and 40 stroke terminal machine.

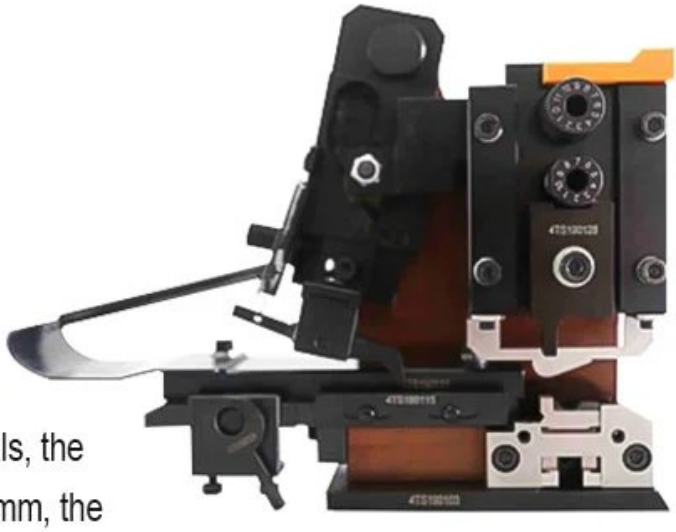




JST flag mold

Feeding method: direct delivery
Feeding stroke: 30mm
Slider stroke: 40mm
Scope of application: 187/205/250 flagship terminal matching mold, 40 stroke terminal machine.

4TS precision horizontal mold



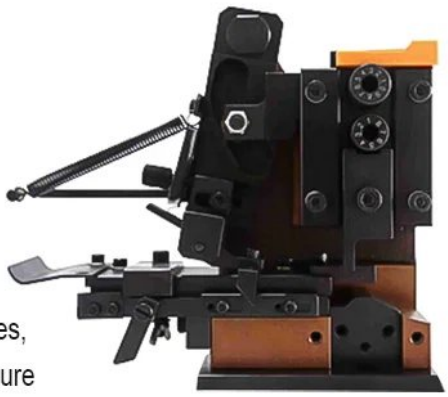
Feeding method: horizontal feed
Feeding stroke: 40mm
Slider stroke: 30mm
Scope of application: suitable for all kinds of large-stroke terminals, the large and fine adjustment is 0.025mm, the small and fine adjustment is 0.15mm, the upper knife width is 26mm, and the lower knife width is 30mm. Suitable for conventional terminal machines.

4TE precision straight mold



Feeding method: direct delivery
Feeding stroke: 40mm
Slider stroke: 30mm
Scope of application: suitable for all kinds of large-stroke terminals, the large and fine adjustment is 0.025mm, the small and fine adjustment is 0.15mm, the upper knife width is 26mm, and the lower knife width is 30mm. Suitable for conventional terminal machines.

OTP precision horizontal mold



Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: It is suitable for all kinds of automatic terminal machines, the most versatile mold, and the pressure detection can pass.



OTP precision straight mold

Feeding method: direct delivery
Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: It is suitable for all kinds of automatic terminal machines, the most versatile mold, and the pressure detection can pass.

OTP pneumatic precision horizontal mold



Feeding stroke: 40mm
Slider stroke: 30mm
Scope of application: suitable for domestic and Japanese automatic machines and semi-automatic crimping machines



OTP pneumatic precision straight mold

Feeding stroke: 40mm
Slider stroke: 30mm
Scope of application: suitable for domestic and Japanese automatic machines and semi-automatic crimping machines.

OTP Yinhua Mould



Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: It is suitable for wider terminals and products with higher crimping requirements. It is common with OTP blades and can be used with conventional terminal machines.



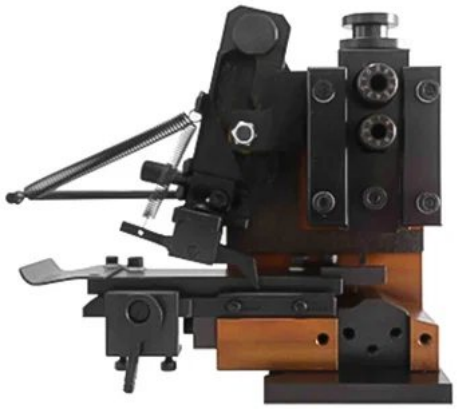
OTP universal horizontal mold

Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: It is suitable for domestic semi-automatic crimping machines. The feeding plate and lower block have a large movable space, and several kinds of terminals can be used.

OTP back hollow horizontal mold



Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: suitable for wire-feeding and terminal-stripping machines and special automatic machines.



OTP European horizontal mode

Feeding method: horizontal feed
Feeding stroke: 30mm
Slider stroke: 40mm
Scope of application: It can be used with European style 40-stroke terminal machine without modification, and the blade is common with OTP.

OTP-UA type docking die



Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: suitable for various U-shaped terminals, single-wire crimping and multi-wire crimping.