Customizable OTP Applicator Die Mold for Horizontal/ Vertical Crimping JW-AP12

Model No. JW-AP12



SPECIFICATIONS

Crimping Type	Horizontal and vertical crimping
Compatibility	JST Terminal Crimping Machine
Mold Type	OTP U-shaped mold, Pre-insulation Nylon Ring Type
Application	Terminal crimping applicator, terminal press machine
Customization	Customizable terminal applicator die

JW-AP12 is an OTP applicator die mold for JST terminal crimping machines, supplied in both horizontal and vertical crimping versions. It covers OTP U-shaped open-barrel terminals and the pre-insulation nylon ring type.

The two versions share the die body, the terminal seat and the mounting, and differ in the direction the ram closes: horizontal for a side-closing station, vertical for a top-closing press. The terminal runs along a long open channel ahead of the crimp position, so a row of terminals is supported on both sides of the anvil and stays in line as it is indexed forward. The nylon ring version uses a separate seat form to locate the insulation collar clear of the crimp.

It is specified as a replacement die where the terminal family is already defined on an existing JST applicator, and as a custom die where the barrel dimensions or the ring seat fall outside the standard U-shape range.

Key Features

1. OTP U-shaped die seat for open-barrel terminals, with a separate seat form for pre-insulation nylon ring terminals

2. Horizontal and vertical crimping versions built on the same body and mounting

3. Long open feed channel ahead of the crimp position, supporting the terminal row on both sides of the anvil

4. Spring arm and stripper linkage at the entry, holding the terminal in line as it reaches the crimp position

5. JST terminal crimping machine mounting, direct replacement on the applicator station

6. Custom die dimensions on request, for terminals outside the standard U-shape and ring ranges

Technical Specifications

Parameter	Specification
Model	JW-AP12
Crimping type	Horizontal and vertical crimping
Mold type	OTP U-shaped mold, pre-insulation nylon ring type
Compatibility	JST terminal crimping machines
Application	Terminal crimping applicator, terminal press machine
Customization	Customizable terminal applicator die

Applications

— JST terminal crimping machines running OTP U-shaped open-barrel terminals

— Pre-insulated nylon ring terminals crimped on the same applicator station

— Harness lines that crimp ring lugs, butt splices and ferrules within one terminal family

— Replacement or second die where the terminal drawing differs from the standard U-shape

— Vertical press stations that have to hold the same crimp as the horizontal line

PRODUCT | PARAMETERS

HOW TO MATCH THE MOLD BLADE OF THE TRANSVERSE TERMINAL

Transverse terminal 01

Transverse terminal : the axis direction of the terminal and the connecting terminal with an angle of 90 degrees





02 Transverse mold

The OTP transverse mold is the most commonly used mold in the wire harness processing industry. Its advantage lies in the ease of feeding and debugging. And the number of blades is small, easy to install. Equipped with two scale knobs to easily adjust the blade.



A TOTAL OF FOUR BLADES 03

Different terminals require different blades to crimp the terminals

Complete equipment display ▶

A pair of blades is provided on the mold, if you need more blades, you need to buy them separately



1.5Ton terminal machine

+



OTP Transverse mold

=




HOW TO MATCH THE MOLD BLADE OF
THE STRAIGHT SHAPE TERMINAL
STRAIGHT SHAPE TERMINAL
01
Straight terminal: a terminal with an angle of 0 degrees from the axial direction of the terminal.
02
STRAIGHT MOLD
The OTP straight mold knife set is composed of more than six blades. Four of them are conventional blades for riveting core wires and outer covers.
A TOTAL OF FOUR BLADES
03
Different terminals require different blades to crimp the terminals
Complete equipment display ▶
A pair of blades is provided on the mold, if you need more blades, you need to buy them separately
1.5Ton terminal machine
straight mold


HOW TO MATCH THE MOLD BLADE OF
THE SINGLE GRAIN MOULD
SINGLE TERMINAL
01
Single terminal: single terminal without connecting tape
02
SINGLE GRAIN MOULD
OTP single-grain molds are commonly used for crimping of single-grain pre-insulated terminals, ground terminals, spring-loaded terminals and other terminals. Installation and commissioning are extremely simple. Especially suitable for novice operations.
A TOTAL FO TWO BLADES
03
Different terminals require different blades to crimp the terminals
Complete equipment display ▶
A pair of blades is provided on the mold, if you need more blades, you need to buy them separately
1.5Ton terminal machine
Single grain mould

HOW TO MATCH THE MOLD BLADE OF THE SPECIAL TERMINAL

01 SPECIAL TERMINAL

Such as flag-shaped terminals, double-material terminals, terminals with material on the head of the terminal, etc.





02 CUSTOMIZED MOLD

After receiving the sample terminal, it is specially customized according to the terminal. 3-5 working days delivery



03 CUSTOM BLADE

Different terminals require different blades to crimp the terminals

PRODUCT | SIZE

TERMINAL MACHINE STRUCTURE




Four-point terminal machine display ▼
1.5Ton terminal machine
Four-point mold


TERMINAL MACHINE ACCESSORIES

六边形模具



四边形模具



上下B形冲压模



四点模具

