Dupont 2.0/2.54 Terminal Crimping Mold & Blade Kits JW-AP28

Model No. JW-AP28



SPECIFICATIONS

Compatible Terminals	Dupont 2.0 and 2.54
Material	Brass press die
Application	Wire stripping machines, cable cutting machines
Blade Types	OTP blade, stripper blade, wire cutting machine blade

JW-AP28 is a mold and blade kit for Dupont 2.0 and 2.54 terminals, the small board-level connectors used on ribbon and equipment wiring. The kit supplies the brass press die with the blades that work alongside it: an OTP blade, a stripper blade and a wire cutting machine blade. It is used on wire stripping machines and cable cutting machines that have been set up for this terminal family.

The die is brass. On a terminal this small the crimp force is low and the nest does most of the work, so a brass die holds a clean polished cavity and is easier to re-cut than a hardened steel block. The blades are the harder parts: the OTP blade forms the terminal, the stripper blade opens the insulation and the cutting blade squares the cable end. In the photo the kit is laid out as six upper punches against six lower dies, each punch with a round mounting hole and a narrow neck above the crimp profile, each die a block with two fixing holes and a recessed nest.

The 2.0 and 2.54 pitches use different nests and are not interchangeable, so kits are ordered by terminal family and machine model. A kit is normally bought when a machine is re-tooled for a new board connector, or when the nest of an existing tool has worn and the crimp wings no longer fold symmetrically.

Key Features

1. Terminal coverage: Dupont 2.0 and 2.54, the two pitches used on board-level and ribbon harness work.

2. Brass press die: a polished cavity that suits the low crimp force of a small terminal and can be re-cut when worn.

3. Three blade functions in one kit: OTP blade for forming, stripper blade for insulation, cutting blade for the cable end.

4. Matched upper and lower halves: six punch and die pairs are supplied as a group, shown paired in the photo.

5. Compact blade body: a round mounting hole on a narrow neck above the crimp profile, sized for the small tool holders these machines use.

6. Application fit: specified for wire stripping machines and cable cutting machines, ordered against the machine model and terminal number.

Technical Specifications

Parameter	Specification
Model	JW-AP28
Item	Dupont terminal crimping mold and blade kit
Compatible terminals	Dupont 2.0 and 2.54
Material	Brass press die
Blade types	OTP blade, stripper blade, wire cutting machine blade
Set layout	Upper punch and lower die in matched pairs (photo)
Application	Wire stripping machines, cable cutting machines

Applications

— Dupont 2.0 terminal crimping on stripping machines set up for board connectors.

— Dupont 2.54 terminal crimping on the same machine family with the matching die nest.

— Ribbon and equipment wiring harnesses, where the terminal is crimped after the cable is cut and stripped in the same cycle.

— Re-tooling a machine for a new board connector, where the whole kit is changed rather than the die alone.

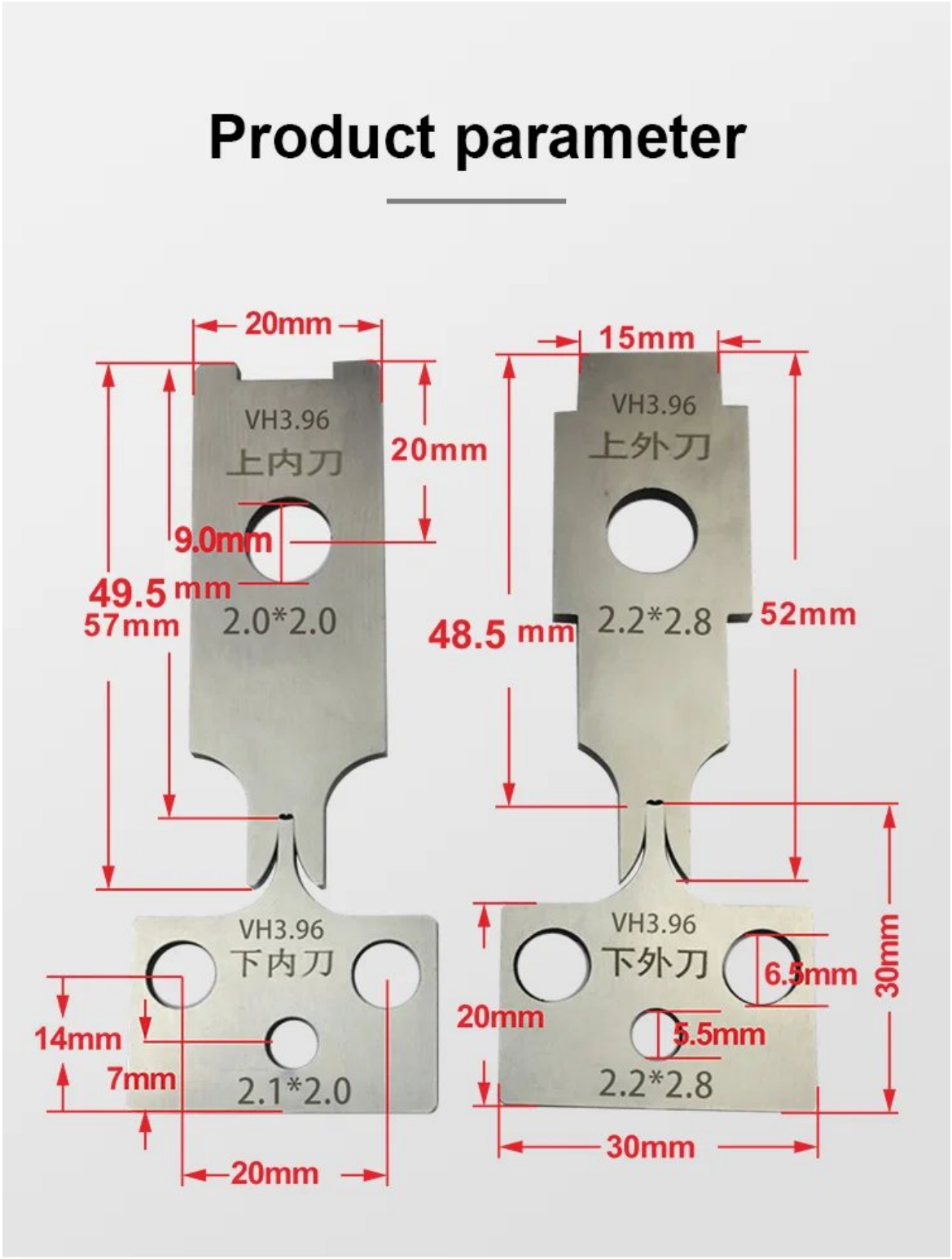
— Replacement of a worn nest on an existing Dupont tool, when crimp wings stop folding evenly.

Special blade for OTP terminal machine

Tungsten steel/white steel/high speed steel



Product parameter



Selected high-quality DC53 steel

High-quality quality comes from high-quality raw materials and equipment



▲

High quality DC53 steel

Select high-quality DC53 steel, each piece of steel will be strictly tested before processing to ensure the quality of the steel

▶

US Niton spectrometer detects material



36 processes

Strictly control every process

Vacuum quenching process

Under the condition of vacuum quenching heat treatment, the retained austenite is almost completely decomposed, which can eliminate surface oxidation and decarburization to achieve a clean surface without deterioration layer, and maintain high toughness even with strong hardness

36 process processing

The oxidation and decarburization of the heated blade surface are completely eliminated, and a clean surface without deteriorating layer can be obtained. At the same time, it is very important to improve the cutting performance of the tool. No pollution to the environment, no need for three waste treatment.



Raw materials



Processing semi-finished products



Finished product

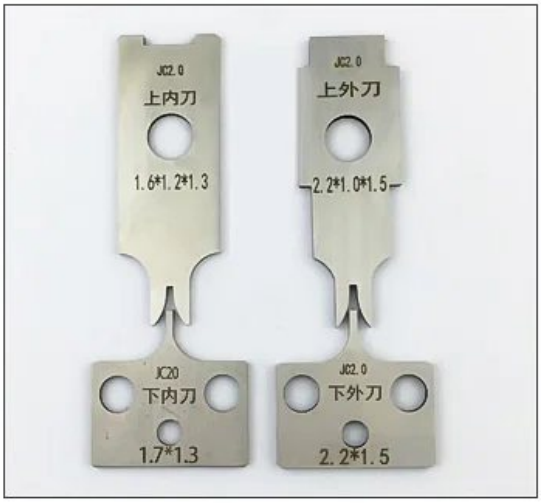
Conventional terminal machine blade






杜邦2.0
上内刀
1.2*1.2
杜邦2.0
上外刀
1.4*1.4
杜邦2.0
下外刀
1.4*1.4


杜邦2.54
上内刀
2.5*1.3
杜邦2.54
上外刀
2.6*1.6R
杜邦2.54
下内刀
2.6*1.3
杜邦2.54
下外刀
2.6*1.6


JC2.0
上内刀
1.6*1.2*1.3
JC2.0
上外刀
2.2*1.0*1.5
JC20
下内刀
1.7*1.3
JC2.0
下外刀
2.2*1.5


JC25
上内刀
2.6*1.2*1.5
JC25
上外刀
1.4*1.0*1.8
JC25
下内刀
2.7*1.5
JC25
下外刀
1.4*1.8


XT60
4.8*7.0*3.0
4.8*7.0*3.0


250
4.2*3.6
250
4.3*2.8
4.2*3.6
4.8*2.8

A lot of spot supply

High precision, quality assurance,
support custom-made, factory direct sales





