



# HIGH VOLTAGE CRIMPING SOLUTIONS

A FLEXIBLE APPROACH TO  
CABLE PROCESSING

# FLEXIBLE HIGH VOLTAGE TERMINATING SOLUTIONS

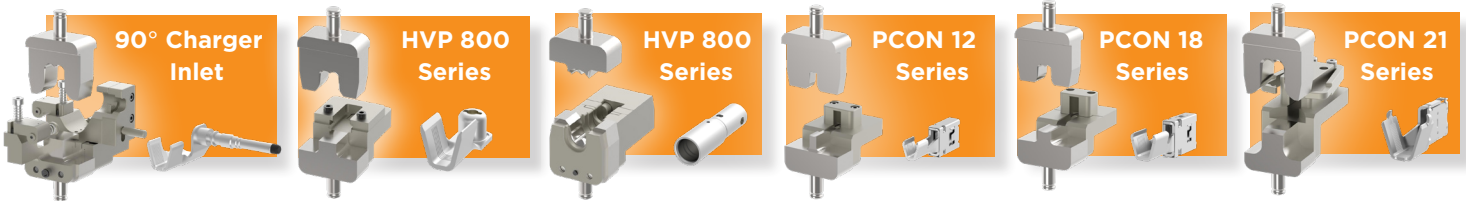


Proper termination of high voltage connectors requires a high performing, highly-engineered solution. Our high voltage lineup gives you the power needed to terminate high voltage connectors in a flexible, affordable and compact bench-top solution.

The TE modular die platform allows you to use a wide variety of unique die sets in holders that can be installed into either our fine adjust compatible HV-20T and HF-20T bench-top presses, or a standard AT-66 high force press.

Unlike competitive offerings, the HF-20T and HV-20T bench-top presses are able to produce 178 kN (20T) of crimp force in order to process wires up to 120 mm<sup>2</sup>.

## HV Modular Die Sets

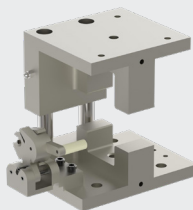


This is only a cross section of die sets and terminals available. For a complete list please visit [tooling.te.com](http://tooling.te.com) or contact your TE Application Tooling sales representative.

## HV Modular Die Holders — Loaded with Features



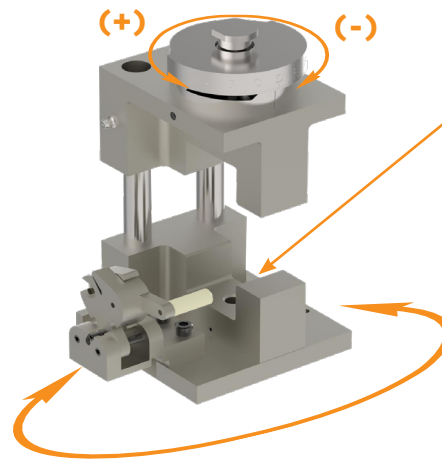
With Fine Adjust  
for HV-20 Machines



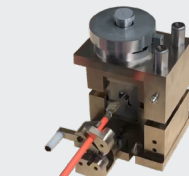
For AT-66  
Machines

The multi-platform design of our modular HV die holders allows for use in a variety of TE and non-TE terminators

Fine adjust feature allows for faster, more precise crimp height adjustment



The wire clamp assembly, handle and die sets can easily be adjusted to handle left or right side wire processing



Spring-loaded wire clamp assembly accommodates a variety of different wire sizes to match your processing needs

# SIDE-BY-SIDE COMPARISON



|                                      | HF-20T                          | HV-20T                          | Competitor 1<br>HF-20T<br>Equivalent | Competitor 1<br>HV-20T<br>Equivalent | Competitor 2<br>HF-20T<br>Equivalent | Competitor 2<br>HV-20T<br>Equivalent |
|--------------------------------------|---------------------------------|---------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Force                                | 178kN (20T)                     | 178kN (20T)                     | 11kN (11T)                           | 150kN (17T)                          | -                                    | -                                    |
| Max Wire                             | 120mm <sup>2</sup>              | 120mm <sup>2</sup>              | 50mm <sup>2</sup>                    | 100mm <sup>2</sup>                   | 50mm <sup>2</sup>                    | 120mm <sup>2</sup>                   |
| Variable Stroke (Sec)<br>Speed (RPM) | 1.3 - 8.3 Sec<br>288 - 1800 RPM | 1.3 - 8.3 Sec<br>288 - 1800 RPM | 1 Sec (fixed)<br>1420 RPM            | 1 Sec (fixed)<br>1420 RPM            | (fixed)<br>2000 RPM                  | (fixed)<br>2000 RPM                  |
| Power                                | 4kW                             | 4kW                             | 4kW                                  | 4kW                                  | 4.2 kW                               | 7.5 kW                               |
| Supply                               | 208-240V<br>50/60 Hz            | 208-240V<br>50/60 Hz            | 3X 400V<br>50 Hz                     | 3X 400V<br>50 Hz                     | 230V<br>50 Hz                        | 230V<br>50 Hz                        |
| Stroke / Shut Height                 | 44mm / 158.4mm                  | 44mm /<br>158.4mm               | 50mm / 204.8mm                       | 50mm / 204.8mm                       | 40mm / 135.8mm                       | 50mm / 190mm                         |
| Weight                               | 635kg                           | 637kg                           | 460kg                                | 500kg                                | 178kg                                | 1550kg                               |
| Network/MES                          | RJ-45 / MQTT                    | RJ-45 / MQTT                    | -                                    | -                                    | -                                    | -                                    |
| Particle Vacuum                      | -                               | Yes                             | -                                    | -                                    | -                                    | -                                    |
| Guard Auto Lift                      | Yes                             | Yes                             | -                                    | -                                    | -                                    | -                                    |
| CQM/CFM                              | -                               | Yes                             | Yes                                  | -                                    | Yes                                  | -                                    |

## HV-20T & HF-20T FEATURES

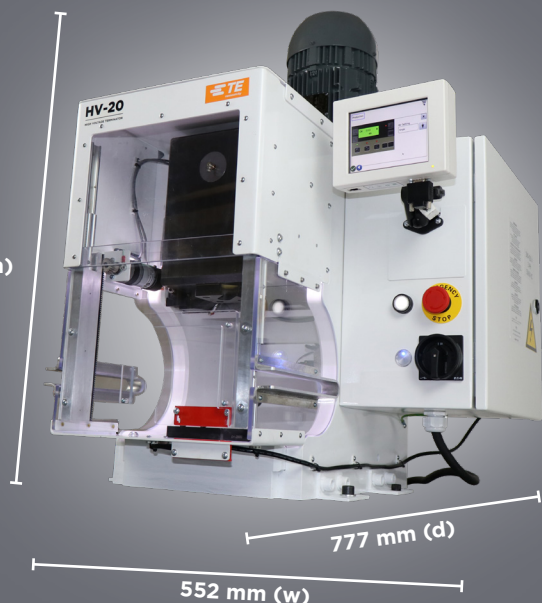


Combining sophisticated controls, traceability system and equipped with ethernet and USB ports, the HV-20T and HF-20T bench-top terminators are Industry 4.0 ready.

The integrated vacuum system design keeps sensitive connections clean and clear of debris commonly associated with high voltage cable crimping.



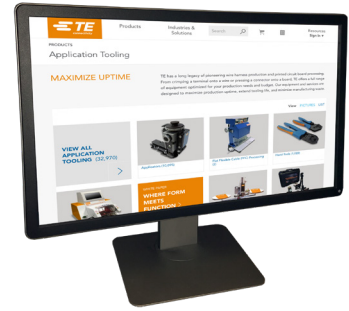
974  
mm (h)





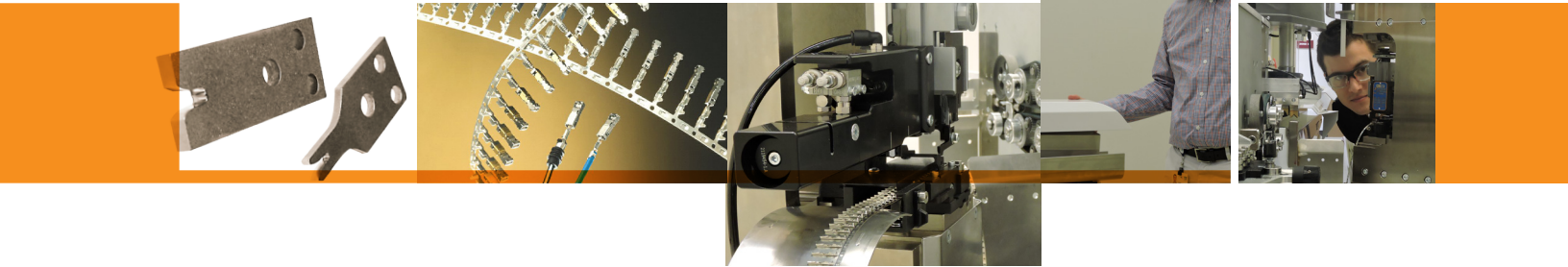
## Let's Connect

To find the right TE tooling for your needs, call us at **717-810-2082** or email [toolingSales@te.com](mailto:toolingSales@te.com).



## TE Technical Support Center

|                  |                   |              |                  |
|------------------|-------------------|--------------|------------------|
| USA:             | 1.800.522.6752    | UK:          | +44.0800.267666  |
| Canada:          | 1.800.522.6752    | France:      | +33.1.34.20.8686 |
| Mexico:          | +52.55.11.06.0800 | Netherlands: | +31.73.624.6999  |
| Latin/S. America | +54.11.4733.2200  | China:       | +86.400.820.6015 |
| Germany:         | +49.6151.607.1999 |              |                  |



## Waste Not. Want Not.

Whether it's time or scrap, in manufacturing everyone knows that waste costs money. With our on-site certification and consultation services, we can help you:

- Reduce downtime
- Reduce scrap
- Maintain crimp quality
- Improve manufacturing efficiency

## High Voltage Part Numbers

|             | Description   | Part Number |
|-------------|---|-------------|
| Terminator  | HF-20, High Force Terminator, 400V  | 2335500-1   |
|             | HF-20, High Force Terminator, 200V  | 2335500-2   |
|             | HV-20, High Voltage Terminator, 400V  | 2348822-1   |
|             | HV-20, High Voltage Terminator, 200V  | 2348822-2   |
| Die Holders | HV MOD Die Holder w/Fine Adjust   | 2305470-1   |
|             | HV MOD Die Holder w/o Fine Adjust<br>For AT-66 Terminator only<br>(Can not be used in HV-20 or HF-20 Terminators) | 2326378-1   |

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• Board processing equipment:  
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E-mail: [fieldservicesnorthamerica@te.com](mailto:fieldservicesnorthamerica@te.com)

• Web: [www.te.com/fieldservice](http://www.te.com/fieldservice)

For locations outside North America visit [tooling.te.com](http://tooling.te.com)  
[www.te.com/fieldservice](http://www.te.com/fieldservice)