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## AS 4051.194

# Wire Terminal WT L fully automated wire processing machine

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FRIEDHELM LOH GROUP



# AS 4051.194 - Wire Terminal WT L fully automated wire processing machine

The Wire Terminal WT L10 B fully automated wire processing machine can process wire cross-sections ranging from 0.5–6 mm<sup>2</sup>. This includes processes such as length-cutting, insulation-stripping, crimping and project-specific labelling of the wires. The finished wires are output in chain bundles on an order-specific basis. Alternatively, the wire output is also available as an ejection system.



## Features

|                     |  |
|---------------------|--|
| Model No.           | AS 4051.194  |
| Design              | Wire Terminal WT L10 B (wire chain bundler)  |
| Product description | The Wire Terminal WT L10 B fully automated wire processing machine can process wire cross-sections ranging from 0.5–6 mm <sup>2</sup> . This includes length-cutting, insulation-stripping, crimping and project-specific labelling of the wires. The finished wires are output in chain bundles on an order-specific basis. Alternatively, the wire output is also available as an ejection system. |
| Benefits            | Boost efficiency with the option of production in sorted chain bundles<br>The bundled batch may be removed during active production<br>Simplifies the wiring process with step-by-step instructions in Eplan Smart Wiring<br>Supports the wiring process at various locations  |

# Features

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## Technical specifications

10 wire end ferrule infeeds via feeder bowls  
Crimping range 0.5 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.) and 10 mm (0.39 in.)  
Crimping range 0.75 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)  
Crimping range 1 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)  
Crimping range 1.5 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.), 12 mm (0.47 in.) und 18 mm (0.71 in.)  
Crimping range 2.5 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)  
Crimping range 4 mm<sup>2</sup>: Crimping length 10 mm (0.39 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)  
Crimping range 6 mm<sup>2</sup>: Crimping length 12 mm (0.47 in.) and 18 mm (0.71 in.)  
The Wire Terminal WT L can process wire lengths from 150 mm to 10 m  
The WT L Wire Terminal can accommodate one wire infeed block.  
Wire output as chain bundle

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## Supply includes

Machine frame and encapsulation  
Operating unit  
1 x WT 16 vibratory bowl feeder for 0.5 mm<sup>2</sup>  
3 x WT 20 vibratory bowl feeders for 0.75/1.0 mm<sup>2</sup>  
3 x WT 29 vibratory bowl feeders for 1.5/2.5 mm<sup>2</sup>  
3 x WT 43 vibratory bowl feeders for 4.0/6.0 mm<sup>2</sup>  
Chain bundle module WT  
10 reels of WT bundle tape, 50 m each

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## Machinable material

Fine-wire copper cables to EN 60228 / VDE 0295 Category 5  
Wire end ferrules with plastic collar to DIN 46228-4 and Multinorm

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## Note

Please talk to your Rittal sales consultant about a bespoke machine configuration.  
German and English are included as standard with the Wire Terminal  
The vibratory bowl feeders and the separation of single wire end ferrules are designed for the dimensional tolerances of Rittal wire end ferrules to DIN 46228-4:2019-02. If the wire end ferrules used exceed the defined dimension tolerances, it may be necessary to design/test a new bowl feeder and to adapt the wire end ferrule separation.  
We reserve the right to make technical modifications

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# Features

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|-----------------------------|--|
| Machine options             | Wire store WT Tube 12 (4051.218)<br>WT printer IQ.JET, black 4051281<br>WT printer IQ.JET, white 4051280 |
| Interfaces                  | Eplan Pro Panel<br>Eplan Smart Wiring  |
| Compressed air supply min.  | 5.5 bar  |
| Compressed air supply max.  | 6 bar  |
| Rated operating voltage     | 230 V, 1~, 50 Hz/60 Hz   |
| Control voltage (DC)        | 24 V   |
| Power consumption (approx.) | 1 kW   |
| Cycle time                  | 11 s   |
| Wires per hour approx.      | 320  |
| Support area                | Width: 2,170 mm<br>Height: 1,870 mm<br>Depth: 1,080 mm   |
| Customs tariff number       | 84633000   |
| ETIM 8                      | EC000000   |
| ECLASS 8.0                  | 18129090   |
| Product description         | Wire Terminal WT L10 W fully automated wire processing machine<br>(wire chain bundler)                   |