

# Tension Spring Add-On ZE 2 / ZE 4

For producing the second loop on tension spring bodies:  
machine loops / crossover loops / extended loops / special loops – open or closed

- Great versatility: Expansion of product range due to inclusion of tension springs
- Short set-up time: High availability thanks to short re-tooling times even for complicated loop forms
- Cost-effective: Thanks to excellent price/performance ratio
- High flexibility: Compatible with many machine models

## Technical Description:

- CNC looping device for the production of tension springs. Almost any type of loop is possible.
- Right and left-hand coiled springs can be manufactured.
- The ZE add-ons can be connected and disconnected as needed.  
(The ZE 2 can be used with the WAFIOS FMK 2 and FMU 2.2 + 2.7, the ZE 4 with the FMK 3 and FMU 4.2 + 4.7)
- Programming via WPS with reproducible settings
- Simple mechanical connection
- The torsion spring machine maintains all of its basic functionality

### New: ZE 2 with integrated control unit

| Technical Data<br>e.g. for machine loops: | ZE 2                           | ZE 4                           |
|---|--------------------------------|--------------------------------|
| Wire Ø:                                   | 0,9 - 2,5 mm                   | 1,2 - 4,0 mm                   |
| Wm ca.:                                   | > 4,0 - 12,0                   | > 4,0 - 10,0                   |
| Do, ca.:                                  | > 3,0 - 27,5 mm                | > 6,0 - 50,0 mm                |
| Spring body length, max.:                 | ca. 300 mm                     | ca. 300 mm                     |
| Number of coils:                          | min. 6                         | min. 6                         |
| Output max.:                              | 25 springs/loops<br>per minute | 20 springs/loops<br>per minute |



Machine loop



Crossover loop



ZE 2 + FMU 2.7



Double machine loop, laterally raised



Hook loop

