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QUALITY ASSEMBLY TOOLS

Spring Balancer

Instruction Manual

Applicable Models: AT-SB12, AT-SB20, AT-SB30

- *Thank you* for purchasing the CHP Assembly Tool. In order to ensure maximum performance and product life, **please read this manual before operating your Balancer.**

Declaration of Conformity (CE)

We, American Hakko Products, Inc., hereby declare that the products described in this manual are in conformity with the following Directive(s)/Standardization document(s):

Machinery Directive 2006/42/EC

Product Information

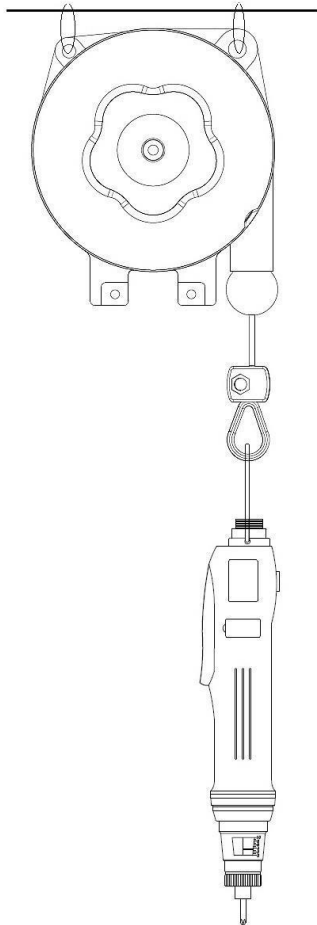
This product has passed SGS Clean room Class-10 test.

▪ Packing List:

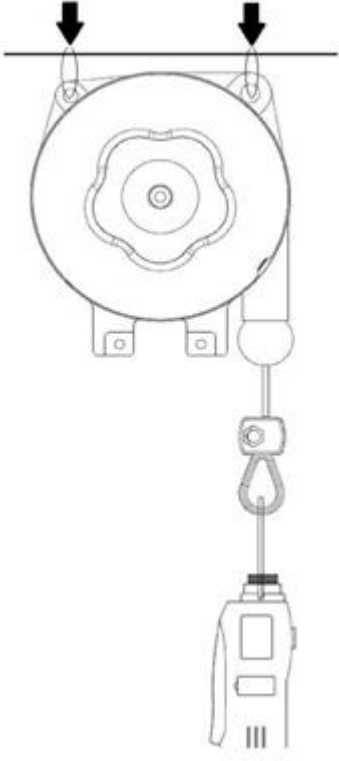
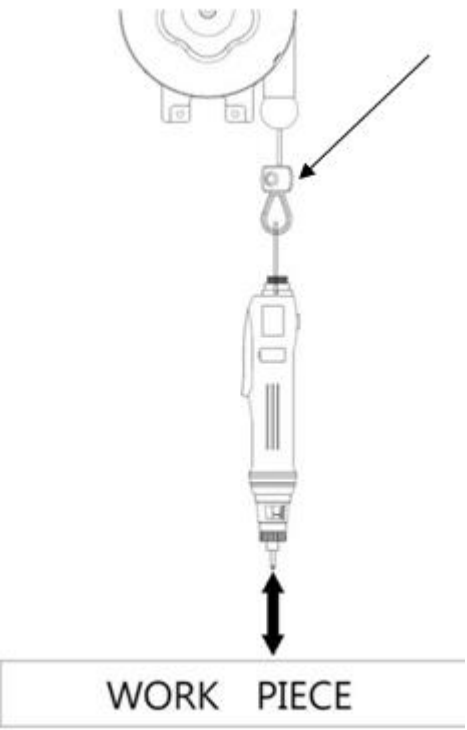
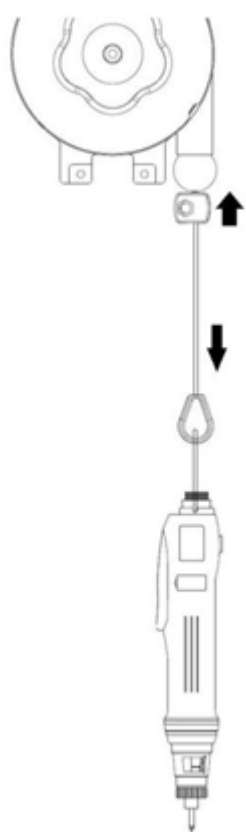
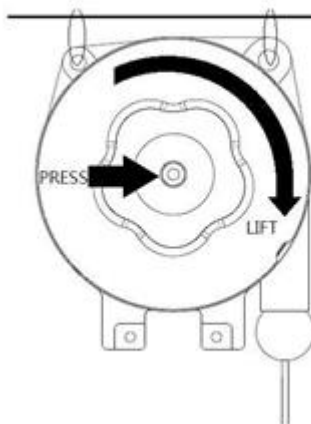
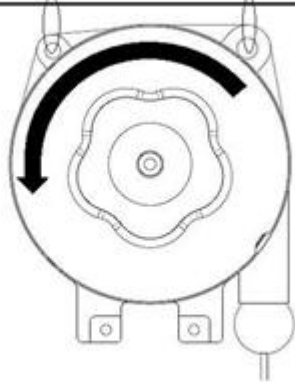
- Spring Balancer
- Fixing plate for CHP power supplies
- Screws: M4(2), M3(2)

▪ Specification

| Model | Load | | Extend L. |
|---------|---------|---------|-----------|
| | kgs | lbs | |
| AT-SB12 | 0.5-1.2 | 1.1-2.6 | 1.6 m |
| AT-SB20 | 1.0-2.0 | 2.2-4.4 | 1.6 m |
| AT-SB30 | 2.0-3.0 | 4.4-6.6 | 1.6 m |



Initial Setup

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <p>1. Please secure the spring balancer above the working stand with its two rings</p> | <p>2. Loosen the screws of locking ring and adjust the proper distance between screwdriver and the work piece (about 10 cm).</p> | <p>3. After adjusting the cord to a proper position, push the ring to the top plastic ball and fasten the screw.</p> |
|  |  <p style="text-align: center;">WORK PIECE</p> |  |
| <p>4. Press the center of balancer and lift up the rotator to adjust the tensile level:</p> | <p>5. Adjust the tensile level as illustrated below:</p> | |
| <p style="text-align: center;">Clockwise → release the cord.</p>  | <p style="text-align: center;">Counter-clockwise → fasten the cord.</p>  | |

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