

**Sommario**

Axis Resolution ..... 3



## Axis Resolution


RISOLUZIONE

ENCODER

999999999

-

= 0

+




PULSE

999999999

MEASURE

999999999

When the axis resolution cannot be calculated mathematically with the machine data, this page is a tool for the experimental calculation of resolution, or to check it.

| Procedure |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | Position the axis as far back as possible and so that the start position can be marked.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2         | <div style="text-align: center;">  </div> <p>Zero the <b>ENCODER</b> reading with the button</p>                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3         | Jog the axis in a positive direction as far as possible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4         | Set the parameter <b>PULSE</b> with the reading given in the parameter <b>ENCODER</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5         | <div style="text-align: center;">  </div> <p>Measure the real movement of the axis from the marked start point to the final position and enter the length in the parameter <b>MEASURE</b>. Enter the whole unit measure that will be used.<br/> E.g. If the length measures 115.3 mm, enter 1153 for tenths of mm or 11530 for hundredths of mm.<br/> <b>IMPORTANT: for a correct operation of the positioner, pay great attention in entering the a lower MEASURE or at most equal to PULSE.</b></p> |

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