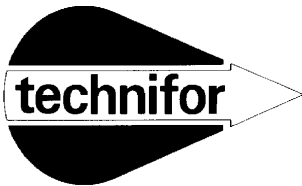


ROBERT I. ROBOTICS TECHNICAL SUPPORT FILE

 <small>A MARK WHICH DEFIES TIME</small>	<h1 style="margin: 0;">Compact Marker Comparisons: CN110 / CN212C</h1>	<small>Canadian Regional Office: ROBERT I. ROBOTICS INC. 519-453-2088 London, Ontario</small> 
May 2004	APPLICATIONS DATASHEET	Version 1

Comparison of the CN110 Light/Medium Duty model and the CN212CP Production Duty Unit:

In order to assist users and systems integrators in choosing the right marking system to suit the application, the following is a compilation of capabilities and comparisons of the model CN110 unit and the CN212Cp system. Each has unique advantages:

The **CN110** is a marking head that contains its own controller. There is a programming LCD screen on top for ease of use. Make note of the way the screen faces and be sure to allow access to viewing when mounting the CN110 onto automation. Since the controller is part of the marking head, it is **not suited to high heat and humid applications**, even with a silicon boot kit installed. (basic dust and dirt protection). It cannot be mounted upside down unless equipped with bellows. *Warning: improper mounting could void warranty.*

The **CN212CP** can be mounted in any direction, be used **24/7**, and can be 'positively air sealed' to be fluid/dirt resistant, and has a separate controller that can be placed out of the way in rough applications.

Performance Comparison:

Duty Cycle:	CN110: 5.3 hours per day of continuous operation 345,000 cycles/year of 15 char 3mm, continuous PM every 1 million characters	CN212CP with UC112: 8 hours per day of continuous operation 520,000 cycles/year of 15 char 3mm, continuous PM every 3 million characters
Marking Time with same quality of image:	10 (3mm) characters in 4.8 seconds at moderate speed of: 33/110 (mark/move)	10 (3mm) characters in 4.8 seconds at moderate speed of: 33/110 (mark/move)
Maximum Speed Settings:	48/182 (mark/move)**	90/200** (mark/move)

**Contact our technical support staff for operation recommendations per application.

For further information contact us at:

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