

# 408 II Series

**TAPER AND DETAPER**



**microcontrol  
electronic**

Milan - ITALY  
[www.microcontrol.org](http://www.microcontrol.org)

# 408 II Series

## TAPER AND DETAPER

Taping Station

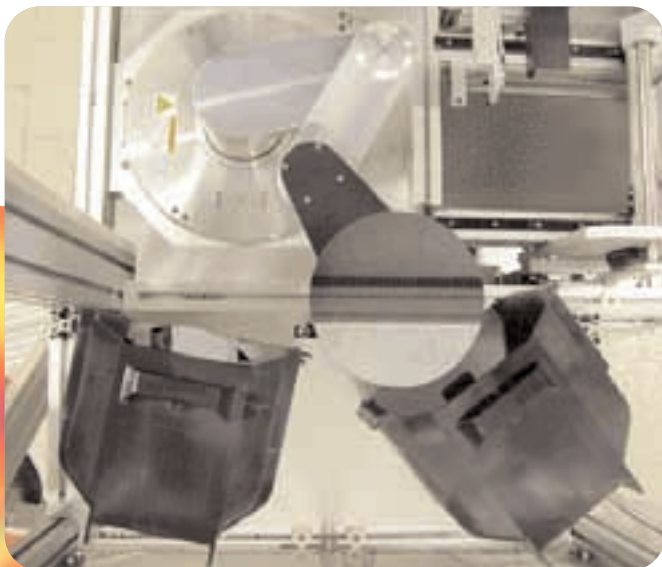


TAPER

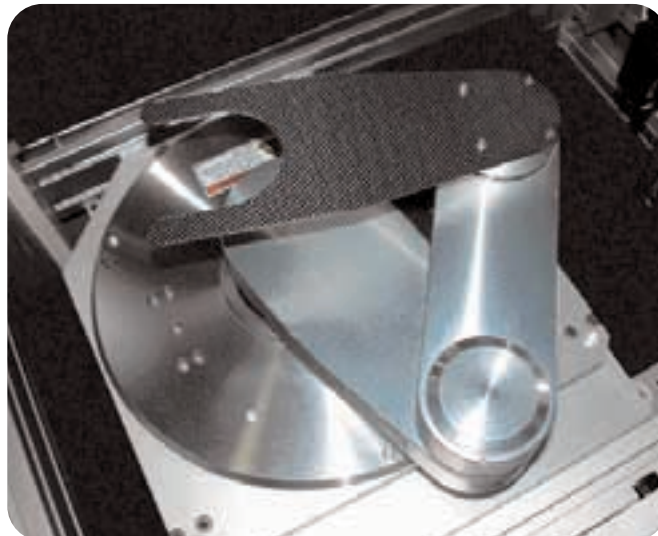
**Ultra thin wafers processing:**  
our special zero force lamination  
technology eliminates extra bow  
due to tape tension on wafers

Our unique taping roller allows to perfectly  
process very high bumped wafers

Loading Station



Adept Robot with Carbon Fiber Handler



### Microcontrol Electronic history

Established in 1976, Microcontrol Electronic introduced the **first worldwide automatic Taper and Detaper** on the market in 1984.

Since then hundreds of equipment has been sold all over the world to the most important Companies such as Atmel, Ibm, Infineon, Intel, Micron, Motorola, Philips, Stm and TI. Microcontrol Electronic Taper and Detaper can be customized according to customers' process specification: applications with special tapes like photosensitive Dupont Riston® and thermal sensible Rexpa® have been already successfully experienced.

### Lowest cost of ownership through "total gap control"

software fully adjustable gap between wafers

=

lowest tape consumption

### HIGHEST THROUGHPUT

**TAPER** 100 wafers/hour

**DETAPER** 110 wafers/hour

UV Station



**Ultra thin wafer detaping  
with our special chuck**

Fully adjustable software and  
mechanical detaping process

Detaping Station



DETAPER

# 408 II Series

## TAPER

### SYSTEM SPECIFICATIONS

WAFAER SIZE	Up to 8"
THROUGHPUT	<b>100 wfrs/hr</b>
CENTERING / ALIGNMENT	CONTACTLESS VISION SYSTEM
TAPE COMPATIBILITY	ALL KIND OF TAPES
MINIMUM TAPE WIDTH	6" <b>165mm</b> 8" <b>215mm</b>
N° of 8" WAFERS WITH 100m ROLL	<b>470 Wfrs</b>
FOOT PRINT	<b>1m<sup>2</sup></b>
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM full compliance	Option
WAFAER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
SMIF SYSTEM	Option
M.T.B.F.	550 hrs
M.T.T.R.	1hr

The above systems specification are process dependant.

# 408 II Series

## DETAPER

### SYSTEM SPECIFICATIONS

WAFAER SIZE	Up to 8"
THROUGHPUT	<b>110 wfrs/hr</b>
CENTERING / ALIGNMENT	CONTACTLESS VISION SYSTEM
TAPE COMPATIBILITY	ALL KIND OF TAPES
FOOT PRINT	<b>1m<sup>2</sup></b>
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM full compliance	Option
WAFAER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
UV Station	Option
SMIF SYSTEM	Option
M.T.B.F.	550 hrs
M.T.T.R.	1hr

The above systems specification are process dependant.



**microcontrol  
electronic**

via Giuba, 11 - 20132 Milan - ITALY  
phone +39 02 28.31.44.20  
fax +39 02 28.71.777

e-mail: [info@microcontrol.org](mailto:info@microcontrol.org)  
[www.microcontrol.org](http://www.microcontrol.org)



UNI EN ISO 9002  
9160 EMCG

