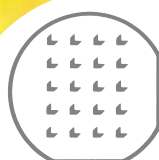


Leonardo 200

**PHOTOPOLYMER FILM LAMINATION
& COVER SHEET REMOVAL SYSTEMS**



**microcontrol
electronic**

Milan - ITALY
www.microcontrol.org

Leonardo 200

**PHOTOPOLYMER FILM
AUTOMATIC AND SEMIAUTOMATIC
LAMINATION SYSTEM**

Process Station



Loading Station



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.

From this experience and improved technology we created **Leonardo 200**.

This system allows to laminate photopolymer film, used in **BUMPING, WAFER LEVEL PACKAGING** process and **MEMS** application to create multilevel structures containing heavy topography or pre etched features on silicon wafers or any other substrate including glass and thru holes wafers up to 200 mm.

LOWEST TAPE CONSUMPTION

"GAP CONTROL AND ROLL WIDTH OPTIMIZATION"

**LAMINATION
SPEED**

**LAMINATION
PRESSURE**

**CHUCK
TEMPERATURE**

**ROLLER
TEMPERATURE**

**TOTAL
PROCESS
CONTROL**

Leonardo 200

**COVER SHEET
REMOVAL SYSTEM**



Leonardo 200
is your solution!

Leonardo 200 Lamination

SYSTEM SPECIFICATIONS

WAFER SIZE	Up to 8"
THROUGHPUT	Process linked (average of 60 wfrs/h)
ALIGNMENT	CONTACTLESS VISION SYSTEM
TAPE COMPATIBILITY	ALL KIND OF PHOTOPOLYMER FILMS
MINIMUM TAPE WIDTH	6" - 165 mm 8" - 215 mm
N° of 8" WAFERS WITH 100 m ROLL	Up to 470 wfrs
FOOT PRINT	1 m²
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM SEMI compliance	Option
WAFER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
SMIF SYSTEM	Option
M.T.B.F.	550 hrs
M.T.T.R.	1 hr

Leonardo 200 Cover Sheet Removal

SYSTEM SPECIFICATIONS

WAFER SIZE	Up to 8"
THROUGHPUT	90 wfrs/h
TRANSPORT	ROBOT ARM
TAPE COMPATIBILITY	25 mm wide ÷ 100 mm wide
FOOT PRINT	1 m ²
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM SEMI compliance	Option
WAFER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
SMIF SYSTEM	Option
M.T.B.F.	550 hrs
M.T.T.R.	1 hr



**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
www.microcontrol.org



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