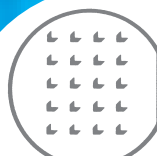


Leonardo 300

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



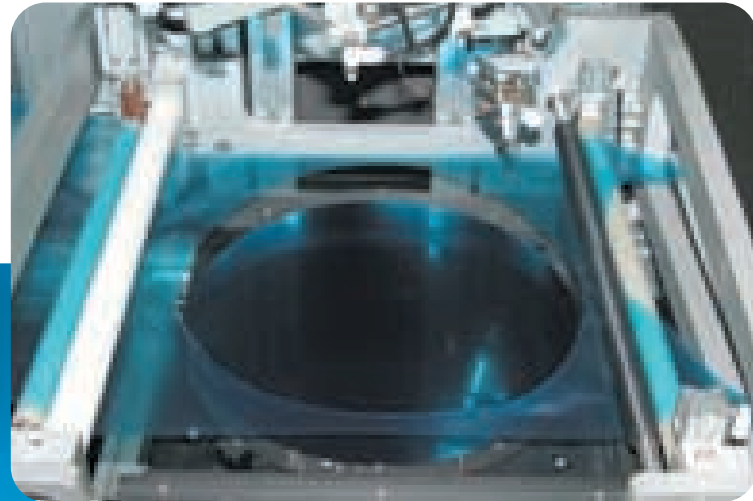
**microcontrol
electronic**

Milan - ITALY
www.microcontrol.org

Leonardo 300

**PHOTOPOLYMER FILM
LAMINATION SYSTEM**

Process 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 300**.

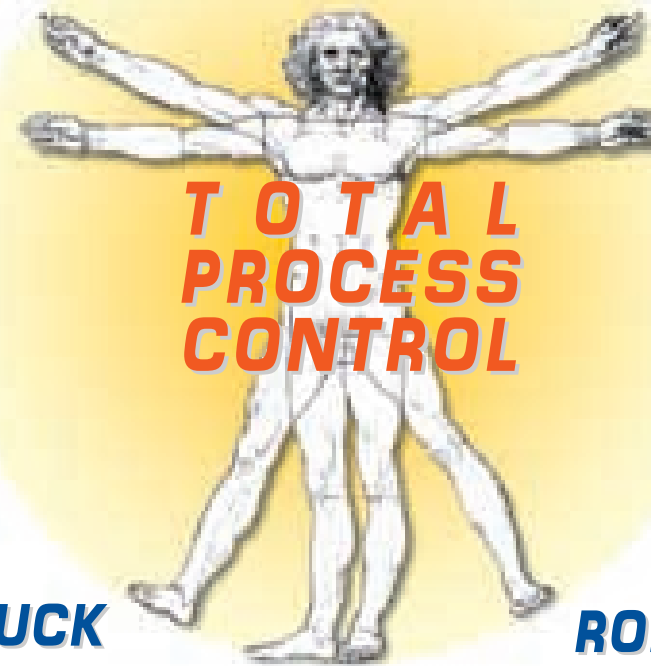
This system allows to laminate photopolymer film, used in **BUMPING, WAFER LEVEL PACKAGING** process and **MEMS** application to create multilevel structures containing heavy topography or pre etched features on silicon wafers or any other substrate including glass and thru holes wafers from 200 to 300 mm.

LOWEST TAPE CONSUMPTION

"GAP CONTROL AND ROLL WIDTH OPTIMIZATION"

**LAMINATION
SPEED**

**LAMINATION
PRESSURE**



**TOTAL
PROCESS
CONTROL**

**CHUCK
TEMPERATURE**

**ROLLER
TEMPERATURE**

300 mm Load Ports



Leonardo 300

**COVER SHEET
REMOVAL SYSTEM**



The miracles of science™
**FULLY COMPLIANT WITH
WB, MX, PerMX FILMS**

Leonardo 300
is your solution!

Leonardo 300 Lamination

SYSTEM SPECIFICATIONS

WAFER SIZE	8" - 12"
THROUGHPUT	PROCESS DEPENDING (average of 50 wfrs/h)
CENTERING / Alignment	CONTACTLESS VISION SYSTEM
TAPE COMPATIBILITY	ALL KIND OF TAPES
MINIMUM TAPE WIDTH	8" - 215 mm 12" - 315 mm
N° of WAFERS WITH 100 m ROLL	8" 470 Wfrs - 12" 320 wfrs
FOOT PRINT	1,9 m ²
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM SEMI compliance	Option
WAFER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
LOADPORT SYSTEM	Option
M.T.B.F.	550 hrs
M.T.T.R.	1 hr

Leonardo 300 Cover Sheet Removal

SYSTEM SPECIFICATIONS

WAFER SIZE	8" - 12"
THROUGHPUT	65 wfrs/h
CENTERING / Alignment	CONTACTLESS VISION SYSTEM
TAPE COMPATIBILITY	ALL KIND OF TAPES
FOOT PRINT	1,9 m ²
CE marking	Full compliance
SEMI Standard	Full compliance
SECS-GEM full compliance	Option
WAFER ID / CASSETTE ID	Option OCR - DOT matrix - BCR
LOADPORT 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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