

REFURBISHED STEPPER

Cost Effective Micron Level Workhorse

The UltraStep 1000EF Wide Field 1:1 Projection Stepper System exposes reticle images in a step-and-repeat manner onto 3", 4", 5", and 6" wafers with fine line resolution (1.25um standard, 1.0um optional) and tight overlay accuracy.

The low cost and compact design of the UltraStep 1000 make it an ideal choice for chipmakers upgrading from older equipment to the more advanced UltraStep 1000.

The UltraStep 1000 can be integrated in a mix-and-match scenario with other, higher resolution steppers, maximizing throughput while minimizing production costs.

The Electronic Focus (EF) version of the 1000 features a voice coil focusing theta stage with focus amp driver board, and focus gage. This provides more precise and repeatable focusing when compared to the stock pneumatic focus system on the model 1000.

The system is equipped with the HP 362 computer system. The internal 500MB hard disk can store up to 20,000 recipe files.

SPECIFICATIONS:

Wafer Size:	3", 4", 5", 6"
Loader Type:	Smart/Automation
Computer:	HP 362 with Hard Disk
Uniformity:	3.0 %
Depth of Focus:	5.0 ums @ 1.25um lines
Maximum Square:	14.1 x 14.1 mm
Maximum Aspect:	30 x 9.5 mm
Maximum Area:	27.5 x 10.6 mm
Reticle Size:	3" x 5" x 0.090"

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Ultratech Model 1000 EF

Serial number 796
Manufactured June, 20, 1989
Minimum resolution: 1.25 micron
Electronic focus system



Illuminator Logo



Serial Number

