

THE TEST HEAD HOIST

..A NEW CONCEPT IN TEST HEAD POSITIONING

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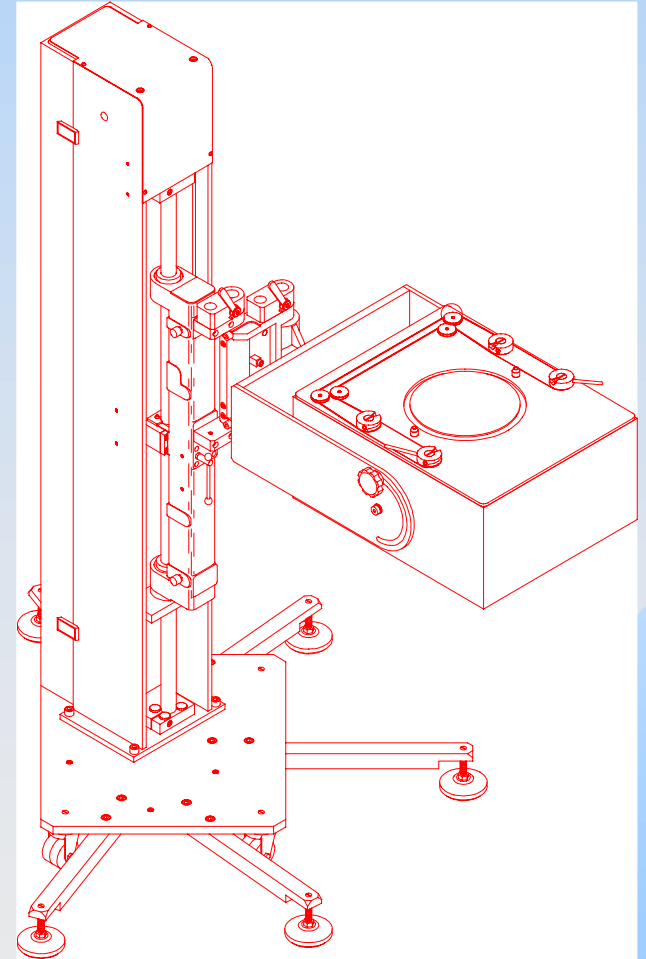
inTEST Corporation

2 Pin Oak Lane

Cherry Hill, NJ 08003

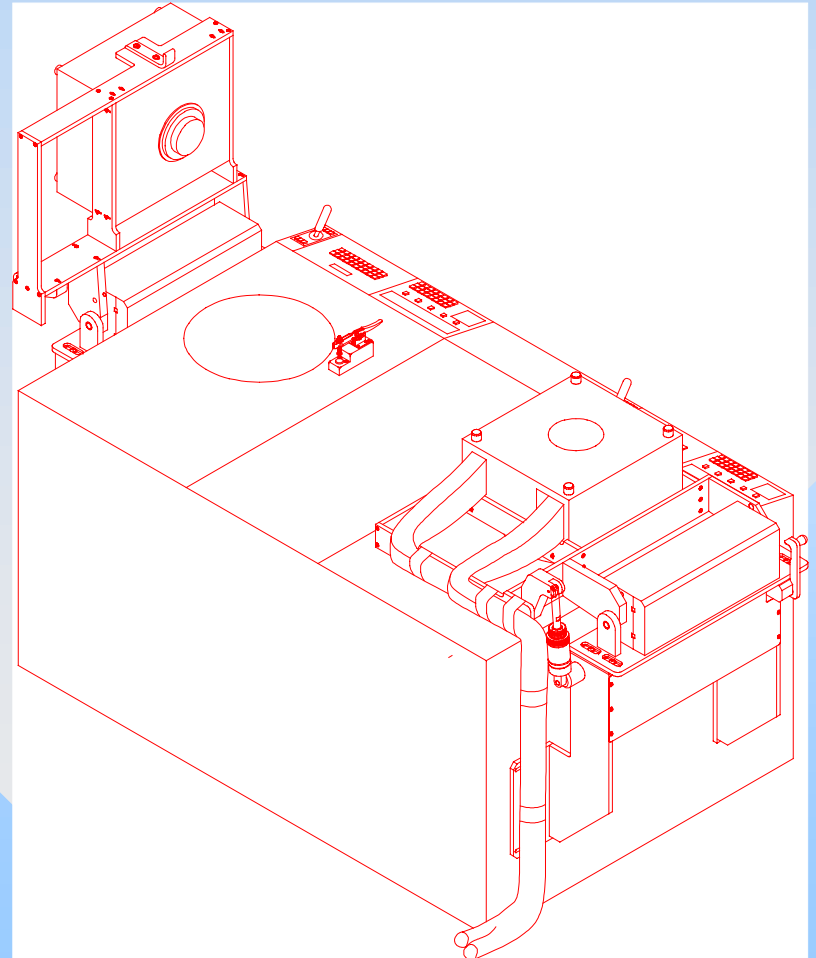
Universal Positioners

- Flexible. Any Orientation
- Floating Axes Needed
- Docking Hardware Needed
- Careful Cable Management
- Floor Space Footprint
- Large Test Heads are Intimidating



Dedicated Positioners

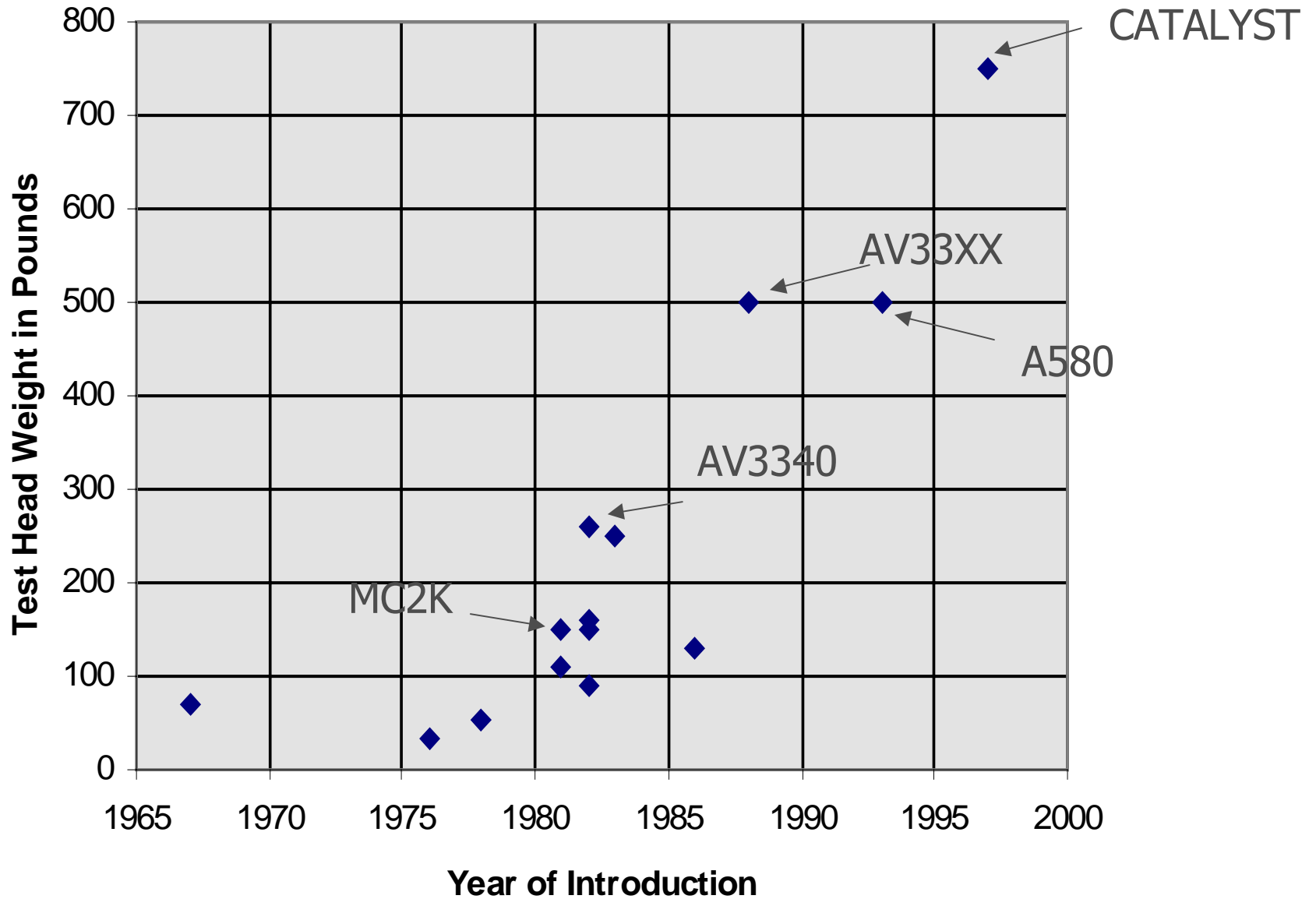
- Ease of Operation
- Difficult Setup
- Can be Hazardous



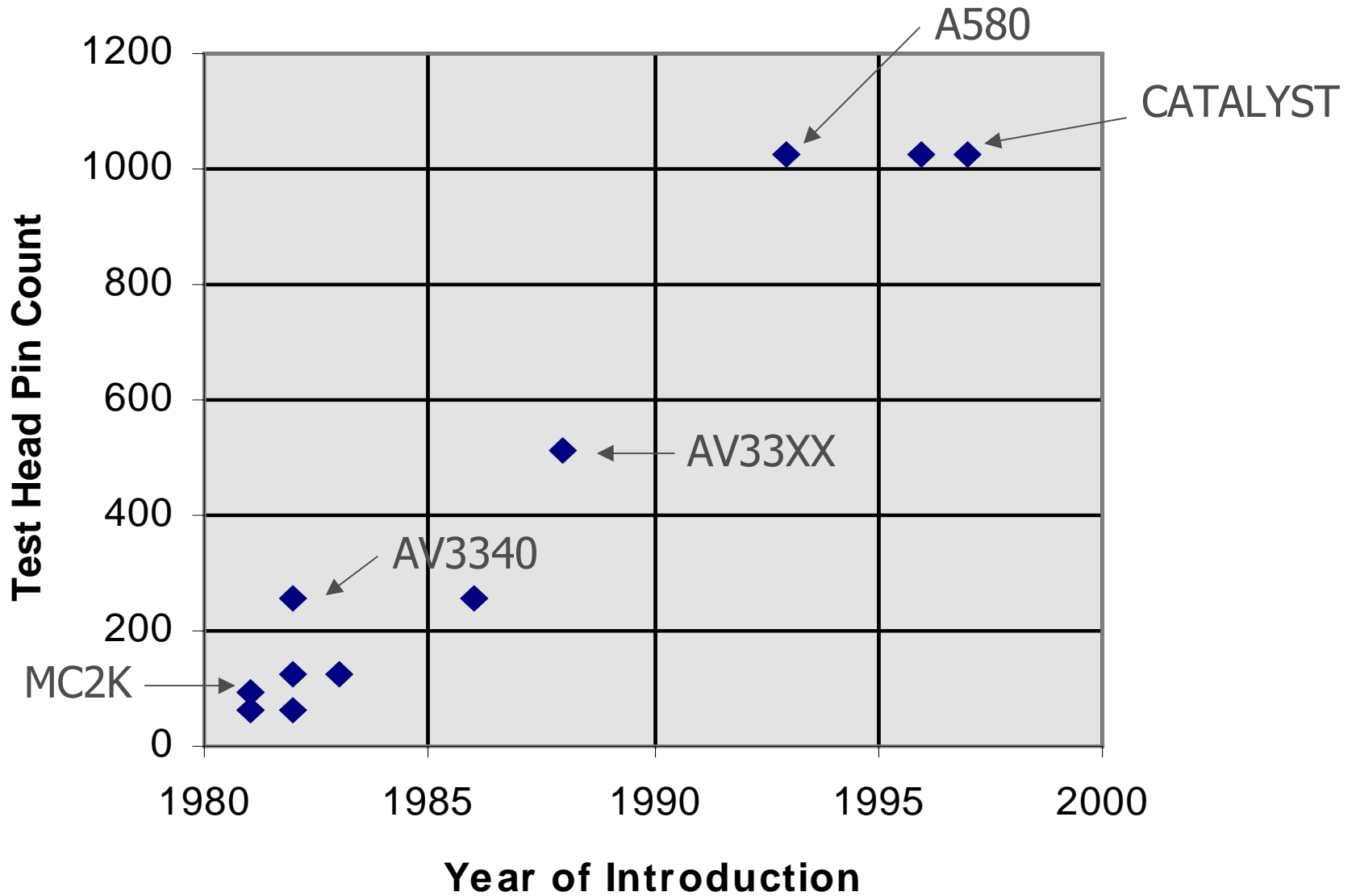
Trends

- Test Head Weights at 750 Lb. and Growing
- Test Head Pin Counts at 1024 and Growing
- 300 mm wafers mean larger probers

TEST HEAD WEIGHT OVER TIME



TEST HEAD PIN COUNT OVER TIME



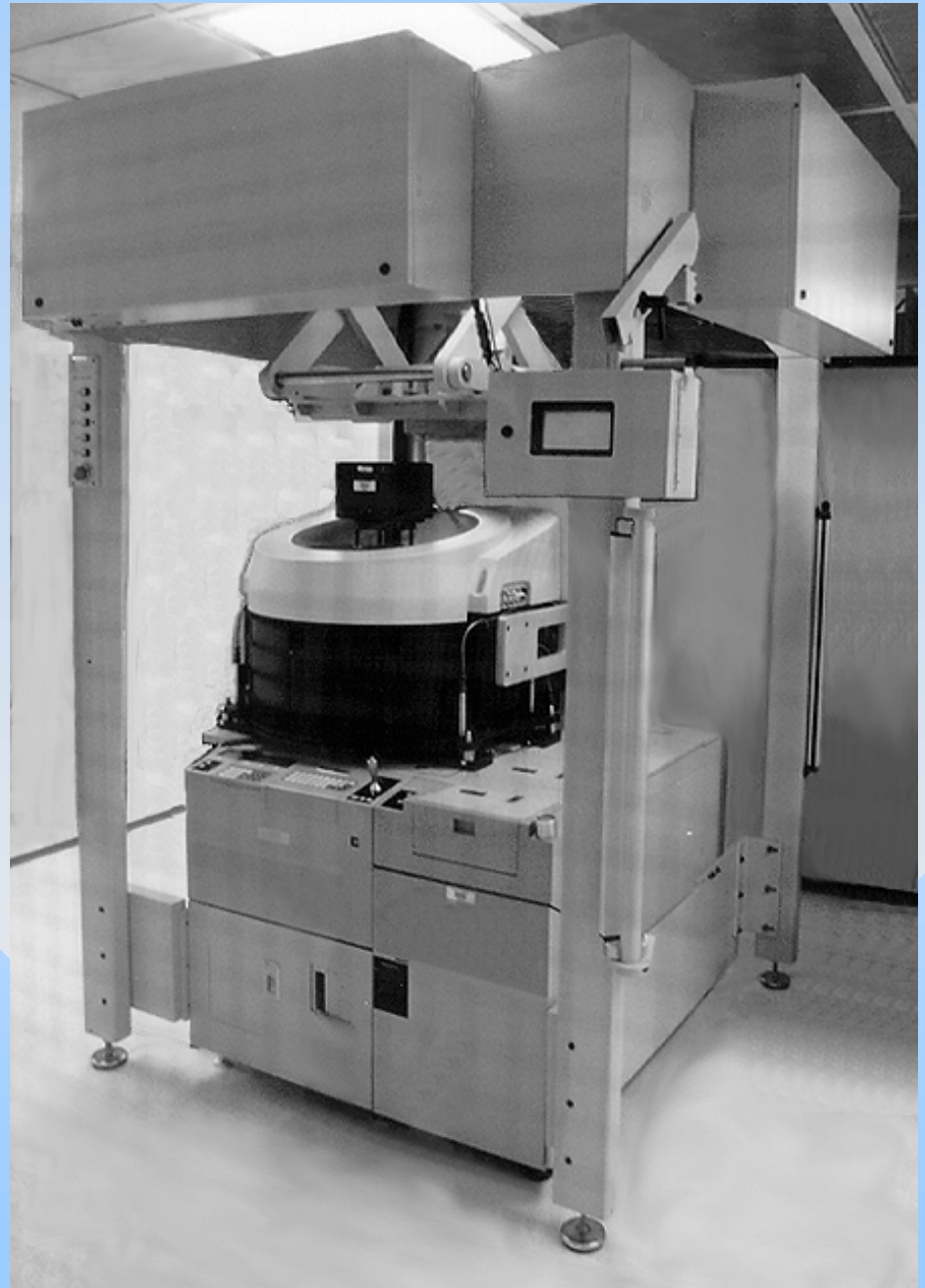
TEST HEAD HOIST

with

TERADYNE J971 HEAD

KLA 1201 PROBER

DOCKED POSITION



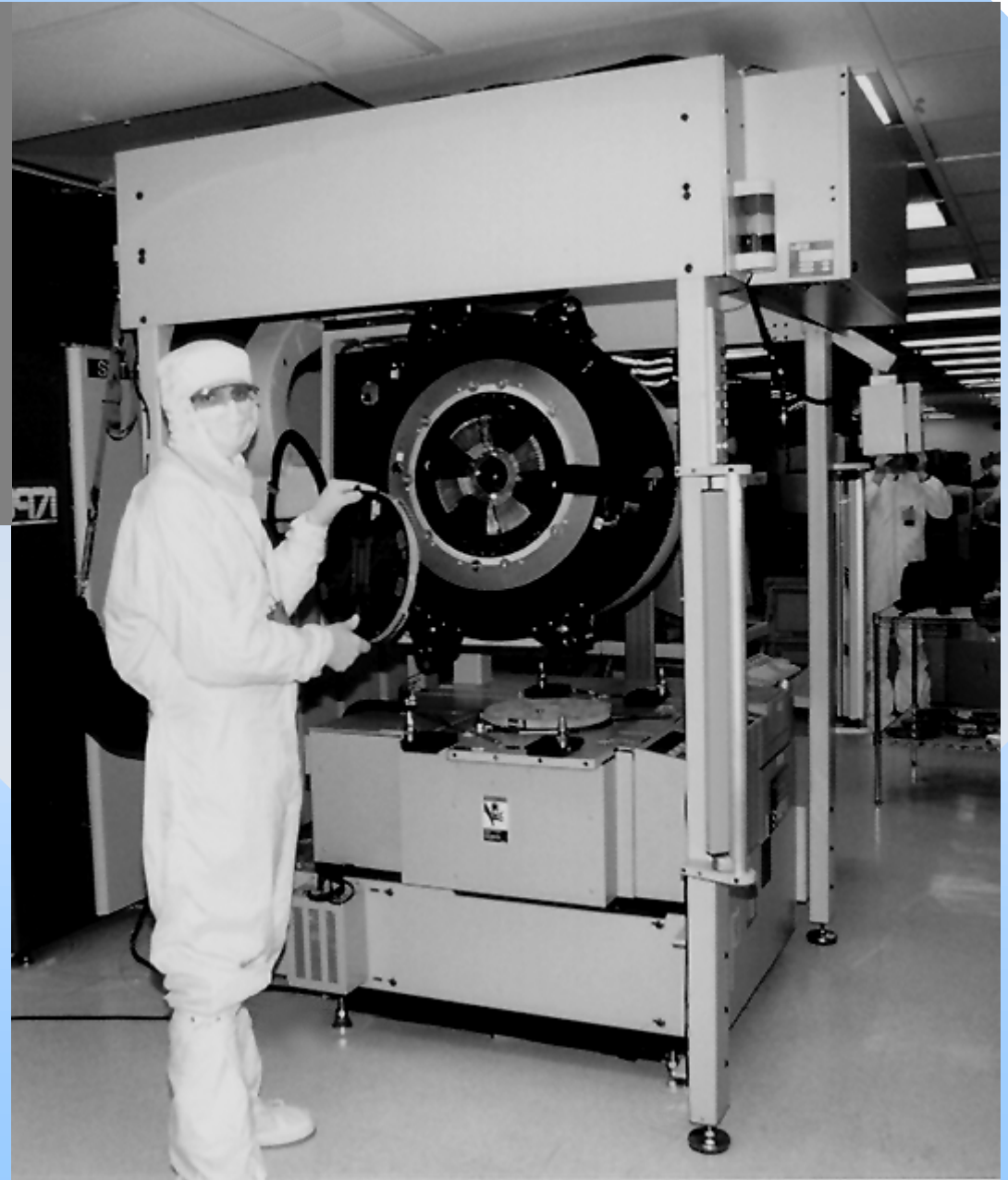
TEST HEAD HOIST

with

TERADYNE J971 HEAD

KLA 1201 PROBER

MAINTENANCE POS'N



TEST HEAD HOIST FEATURES:

- MINIMUM FLOOR SPACE

Gantry Structure Straddles Prober

Floor Space Savings up to 29% compared to
Column Positioner

- 1000 Lb. LIFT CAPABILITY

2 Motorized Axes -- Lift and Roll

Can be Modified for Heavier Test Heads

- REPEATABLE POSITIONING

Microprocessor Control

Linear and Rotary Position Sensors

Positions to 0.001 inch Linear, 20 Arc-Sec Angular

TEST HEAD HOIST FEATURES:

- PROGRAMMABILITY AND EASE OF OPERATION
 - Positions are Taught at Setup
 - (Dock, Undock, Maintenance, Manual)
 - Operator uses a 5-button Pushbutton Panel

- SAFETY FEATURES

- Light Curtain Stops Motion if Penetrated

- Fail-Safe Brakes on Roll and Lift Axes

- Password Protection -- Authorized Personnel Only