

# TI/TW /TX Series *Insertion & Withdrawal Tools for Pin Grid Arrays*

## FEATURES:

- Designed to insert and extract high density devices, 10 x 10 to 26 x 26 with centers, and IPGA devices 19 x 19 to 45 x 45 with .050" x .100" (1,27 x 2,54) centers, including the Intel Pentium Pro™ device.
- Allows for even distribution of force on the chip package when the device is inserted and extracted.
- Both tools have a lifting range of .590" (15,0) to allow for insertion and withdrawal with most heatsinks.



TI8136-1026



TW8136-1026

## INSERTION & EXTRACTION TOOLS

Part Number	Description
TI8136-1026	Insertion Tool
TW8136-1026	Withdrawal Tool

## FEATURES:

The TX 8136 family of precision lead screw tools ensure parallel insertion and withdrawal of pin grid carriers. This saves many times the initial cost of the tool by protecting expensive VLSI devices from pin damage.

- Tool uses shoulder of sockets or surface of printed wiring board as a stable lifting platform assuring no slippage or misalignment during removal of pin grid package as often happens with traditional tools
- Will not chip ceramic or bend pins, comb support distributes extraction force evenly
- Large lead screw adjustment applies a constant parallel axial force eliminating problems with bent or broken pins

- Large plunger button and large pushing block for easy insertion of pin grid into socket.
- Tool can be grounded to protect delicate MOS devices from static discharge.
- These tools remove soldered or socketed pin grids from printed wiring boards. Soldered pin grids are removed by applying heat to the soldered junctions while gently turning lead screw to exert a continuous force.

## OPERATION:

Pushing on the insertion knob opens and closes support legs and pushes pin grid into socket. Turning lead screw raises pin grid from socket.



TX 8136-16x16

## INSERTION & WITHDRAWAL TOOLS

Part Number	Description
TX8136-16x16	16 Row by 16 Column Device
TX8136-17x17	17 Row by 17 Column Device
TX8136-18x18	18 Row by 18 Column Device