

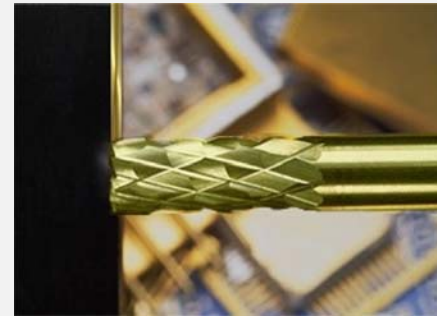
## ABOUT OUR COMPANY

Midas Technology is dedicated to building advanced rework equipment for packaged microelectronics. Our primary customers make high-value, high-reliability products for aerospace, telecommunications, and internal medicine. Their rework applications demand the utmost precision and repeatability, demands which Midas has successfully met for over 20 years. As a result, Midas machines are found throughout the world, and our current models are certifiable under leading international standards.

Our equipment is now marketed in all major electronics markets including North America, Europe, China and India by an exclusive network of representatives and distributors. We welcome you to contact us for more information.

## ABOUT THE de-lidder™ PRODUCT LINE

**de-lidder™** machines remove lids from hermetic packages for rework, quality control and failure analysis. They are designed for use inside cleanrooms by assembly operators and technicians – without requiring machinists. Our proprietary tungsten carbide tools mill smoothly and quietly through the welded outside edge of the lid flange, freeing the lid and leaving a reseal-ready package surface. This time-proven process protects packages from particles, vibration, and dimensional changes, so parts can be de-lidded multiple times with pushbutton ease. Our new generation-5 product line embodies the biggest design improvements since our DL-4 introduction in 1991 – upgraded panel controls, programmable servomotor drives, and integrated flat-rail carriage/leadscrew modules. (Details on next page)



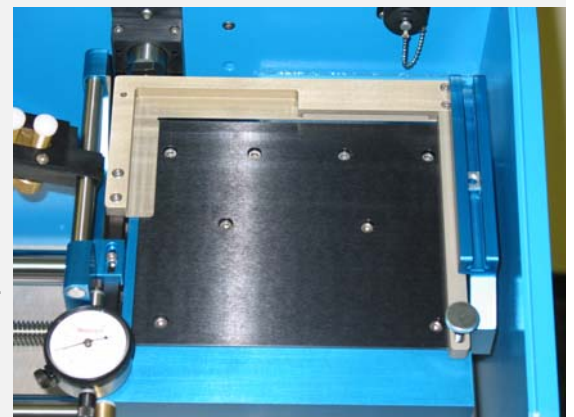
## D5L de-lidder™ DESCRIPTION & APPLICATIONS

*CHOOSE 6", 8" OR 10" TABLE TRAVEL*

D5L6, D5L8, and D5L10 **de-lidders™** are designed for straight-sided packages such as bathtub, DIP and butterfly hybrids and multichip modules (MCMs). They share all the Generation-5 improvements, differing only in their size and maximum package capacity.

Parts are normally positioned lid-down on the worksurface, held in place by torque-limited screws. They align against a datum stop (gold colored fixture shown to the right). The datum stop is adjustable, exposing a precisely controlled width of lid flange to the cutting tool. The tool spindle is adjustable vertically, to remove the precise height of the lid flange without cutting into the package wall – so you can reseal without sanding. The package cavity is kept completely free of particles by holddown pressure on the package wall, tool geometry, and high-velocity vacuum applied around the cutting tool by the D5VAPS particle control option.

The easily-changed standard fixture has a low shelf for up to ½" side leads and a through-slot for lead frames. The entire machine is quickly adaptable to special applications including lid-up operations for solder-sealed parts and formed lids. All D5L machines accept the D5RT Turntable Module for removing caps from TO headers & round parts.



*D5L Worktable with Holddown Bar Up*

# MIDAS

## TECHNOLOGY, INC

for microelectronic rework

### D5-SERIES STANDARD FEATURES & BENEFITS

**Celebrating 20 Years**

Both D5 de-lidder™ series are designed to be modular, expandable for oversize packages, easily maintainable, and certifiable under contemporary global standards. The chassis is far more rigid and stable than our DL4 and earlier models, thanks to an interlocking structure and upgraded fasteners. Here are other standard features:

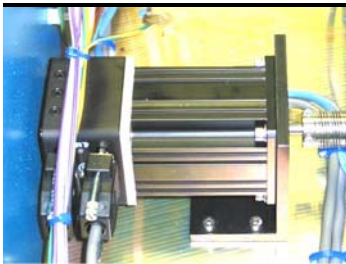


#### UPGRADED PANEL CONTROLS

...provide for sophisticated new capabilities: adjustable home position and dual-direction cutting with automatic vacuum and feedrate reduction. Feed rate is set in tenth-inches per second (.01 ips resolution) and stroke size is repeatable to better than .02". The home and start lamps blink in distinctive patterns to indicate diagnostic machine error codes.

#### THE BENEFIT TO YOU

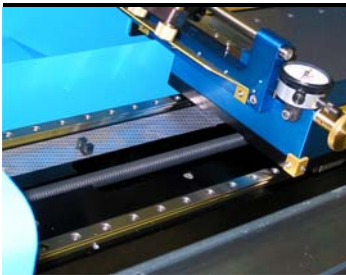
...remains simple to use (push start and let run). Precise stroke allows simpler positioning during tool replacement, makes centering easier when mounting the optional turntable, and reduces overtravel time. Error codes show problems, clear on rebooting.



#### OPTICAL-ENCODING PROGRAMMABLE SERVOMOTOR DRIVE

...auto-locates its home position on power-up and allows presetting an offset to the zero position. Position-error sensing causes a quick and safe stop if anything (such as a misplaced tool) interrupts table movement.

Offsets allow use of custom fixture placements without travel delays. Autolocation makes motors "plug and play" replaceable. We've eliminated the voltage comparators and geared potentiometers which used to require an electrical maintenance technician.



#### INTEGRATED FLAT-RAIL MODULE

...includes improved max-travel sensors, and a massive unibody construction with upgraded, teflon-coated lead screw. Machined-in drive alignment gives smooth table travel at higher speeds – optimized for our new "Asynchronous Helix™" higher-speed cutting tool.

Massive unibody construction maintains ideal flatness over longer travel lengths, improves reseal. Dry leadscrew is self-lubricating.

Table remains smooth at higher table speeds, reducing cycle times and improving surface finish.

### OTHER STANDARD MODELS

*Remember custom and oversize models are also available!*



For round packages & TO headers ask about our optional D5RT Turntable Module. The rotary-only D5R3 model is your answer for long-leaded headers.



D5F series (D5F6, D5F8) machines are optimized for packages with optical fibers, with added work area clearance and fiber-friendly fixturing modifications.

**FOR A REVIEW OF YOUR APPLICATION, TO HAVE SAMPLES PROCESSED OR GET DETAILED SPECIFICATIONS & QUOTATIONS**

**PLEASE CONTACT [Sales@midastechnology.com](mailto:Sales@midastechnology.com)**

*Due to our program of continuing improvement, all specifications are subject to change*

Or Your Exclusive Regional Representative