

MIDAS

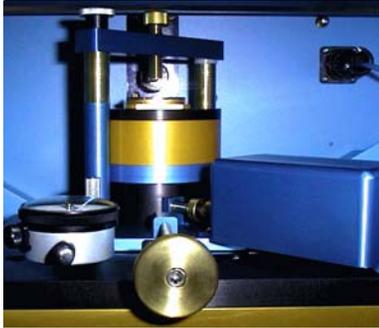
TECHNOLOGY, INC

for microelectronic rework

D5R3 (rotary) de-lidder™
PRODUCT DATA
Celebrating 20 Years

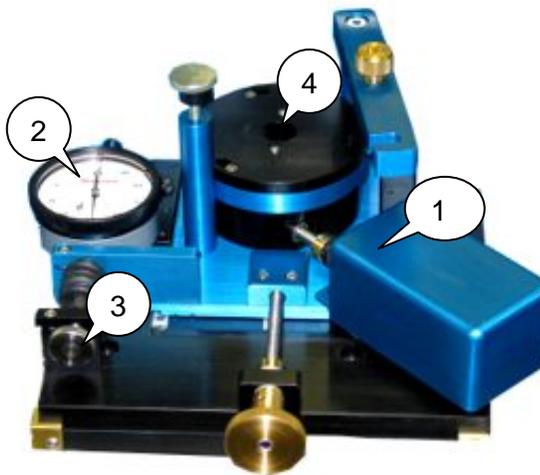


DESCRIPTION



The D5R3 (rotary) **de-lidder™** brings our proven rectangular lid removal technology to facilities that work only with round packages and headers. Our kovar-optimized micrograin carbide tools mill through the cap flange and weld interface as the part rotates on a motorized precision turntable, recreating a smooth reseal surface on the original header. Width of cut is adjusted by moving the turntable toward or away from the cutter. Cut depth is adjusted by raising or lowering the tool spindle. Platter fixtures for each package type provide accurate centering. Built-in tool cowl and conductive hoses pull debris away from part into (optional) 59db cleanroom vacuum.

WHAT'S NEW IN 2007



Our dedicated rotary machine incorporates the latest D5-generation chassis enhancements for greater rigidity, plus the latest version of our turntable module. The D5RT Turntable has (1) improved gearing for smoother low speed operation, (2) a relocated, longer-travel width of cut indicator which makes removal of small parts much easier, and (3) a dial-in zero adjustment for fast part changeovers. The D5RT is fully compatible with (4) D4RTTA-25 and -29 platter fixtures provided with earlier machines, and it easily retrofits on DL-4 de-lidder™ models as well as the D5 generation of linear machines. An ULPA-filtered 59db vacuum is optional; ESD particle control plumbing is standard. *Turntable mounting capability is standard on D5L6, optional on other models.*

APPLICATIONS, CAPACITIES & LIMITATIONS.

Circuit Detail Masked



The standard D5R3 handles round packages up to 3" diameter. It has been successfully used on small designs like TO-99s as well as TO-3s, and simple fixturing changes can accommodate even larger custom packages.

The standard configuration fits leads and pins up to 1.5" long. Longer leads can be accommodated by minor changes during manufacture.



Headers with extended mounting flanges like the TO-5 can be done without loss of plating. We provide "profiled" tools with cutting areas dimensioned for your cap flange, so machined surfaces will be fully covered by the new cap. *Note: for one-shot welding, consider caps with weld projections, as the header will be machined flat during de-lid.*



SPECIFICATIONS	Description	Feature/Advantage
Controls	Power, Start and Stop Rotation	<i>Simple to use, like D5</i>
Adjustments	Cut Depth, Cut Width, and Holddown Pressure (Torque Limiter included)	<i>Avoid oil-canning of thin lids</i>
Package Size	Platter fully supports up to 3" fixtures, larger diameters possible with custom fixturing.	<i>Holddown Posts 3.25" Apart</i>
Fixturing	Twist-off platter fixtures simplify pin insertion	<i>NEW Swing-out holddown bar</i>
Tools	SB-8, SB-8E (Extended Shank) and SB-8-6-050, plus NEW ASH08 Asynshronous Helix™ design available for special applications	<i>Variety of tooling options to meet your application needs.</i>
Tool Change	3 Minutes, Similar to Changing Electric Drill	<i>Like-New Results – Every Time</i>
Particle Control	Built-in fixtures and plumbing provide strong suction around cutting tool for maximum process cleanliness, 59db ULPA Vacuum optional.	<i>Minimizes particles and debris, reduces wear on machine parts</i>
Safety Features	Inter- and spindle-locks ensure that all running adjustments to width and depth must be made with the clear lid closed, and that operators are protected during tool changes.	One interlock stops motors when clear lid is opened. Another opens drive circuit when spindle is locked for tool change.

FREQUENTLY ORDERED PART NUMBERS

PLEASE CONTACT US FOR APPLICATION REVIEW, DETAILED QUOTES, AND INFORMATION ON EXPORTING MIDAS EQUIPMENT

D5R3	Rotary-Only Model with Setup Tools and Spares, for 2007 includes internal particle control hardware. <i>Please Note: this machine can't be set up to de-lid rectangular parts.</i>
D5RT	Turntable Module Only: <i>Mounts in DL-4, DL-4A, or D5L6 model de-lidder™ to do round parts.</i>
D4RTTA25	Platter Fixture, Blank (for customer machining on-site)
D4RTTA29	Platter Fixture, Custom (<i>machined for specific part, requires drawing and sample part</i>)
D4VAGM80	OEM Nilfisk 59db ULPA cleanroom vacuum set up for machine control, with conductive hose, adapter sleeve, and control/power cord, with voltage set to machine. <i>ESD hoses, plumbing, and machined cowling surrounding cutting tool (for tool-above-part configurations) are standard.</i>
SB-8	Standard dual-helix tool (<i>standard quantity is 10 pieces, breaklot price applies for fewer</i>).
SB-8-6-050	Profiled SB-8 Tool with reduced neck diameter for clearance, <i>length of flutes from .050-.100" according to application.</i>
D5R0	D5-Generation Chassis (for customer with existing D4RT or D5RT turntable) complete with mounting block and customized platter spacer for longer leads. <i>Eliminates Changeover Time.</i>