

SOLDERING & DESOLDERING TOOLS

ACCUDRIVE® SERIES

Tip-Heater Cartridges

One cartridge. Any temperature. Compatible with multiple units for all methods of soldering. Flip through to find the right tip for the job.



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INTRODUCTION

What is AccuDrive?

AccuDrive® is PACE’s patented heating technology that powers our full line of AccuDrive tip-heater cartridges. Consisting of closed-loop temperature management that continuously monitors tip temperature for accurate reflow of solder joints, AccuDrive® was designed with precise control for demanding applications at the lowest possible temperature, for high reliability and low risk of damaging sensitive or expensive circuitry.

The AccuDrive® Series tip-heater cartridges are the heart of the ADS200 PLUS, introduced in 2022, and have since been implemented in two of our Multi-Channel Rework Systems: the MBT360 and MBT450.

With 86+ options to choose from, the wide array of tip-cartridges offered in the AccuDrive Series covers everyday soldering, micro-soldering, component removal and high-mass rework, with no need to change cartridges or calibrate between temperatures.

Designed for specific types of soldering application, each category of our AccuDrive® tip-heater cartridges offers a variety of tip geometries.



TIP CATEGORIES

The Full Line of AccuDrive® Tip-Heater Cartridges

Our tip categories encompass an expansive variety of geometries for all types of soldering and rework.

CATEGORY	ID	DESCRIPTION
Standard	AD	Tip geometries for standard, everyday soldering application
Specialized	SD	Component specific tip geometries for specialized work
MicroDrive®	MD	Tip geometries for micro-soldering application
Ultra-Performance	AD-U	Tip geometries for extended-use
ThermoDrive®	TD	Tip geometries for high-mass application

COMPATIBILITY

Handpieces & Stations

We designed the TD200 handpiece to be compatible with every AccuDrive® station and every AccuDrive® tip-heater cartridge, for soldering and desoldering applications of all types.



TD200
One handpiece at the center of it all

Multiple stations. Any tip geometry.



ADS200 PLUS

- ✓ TD200 handpiece
- ✓ All AccuDrive® tips



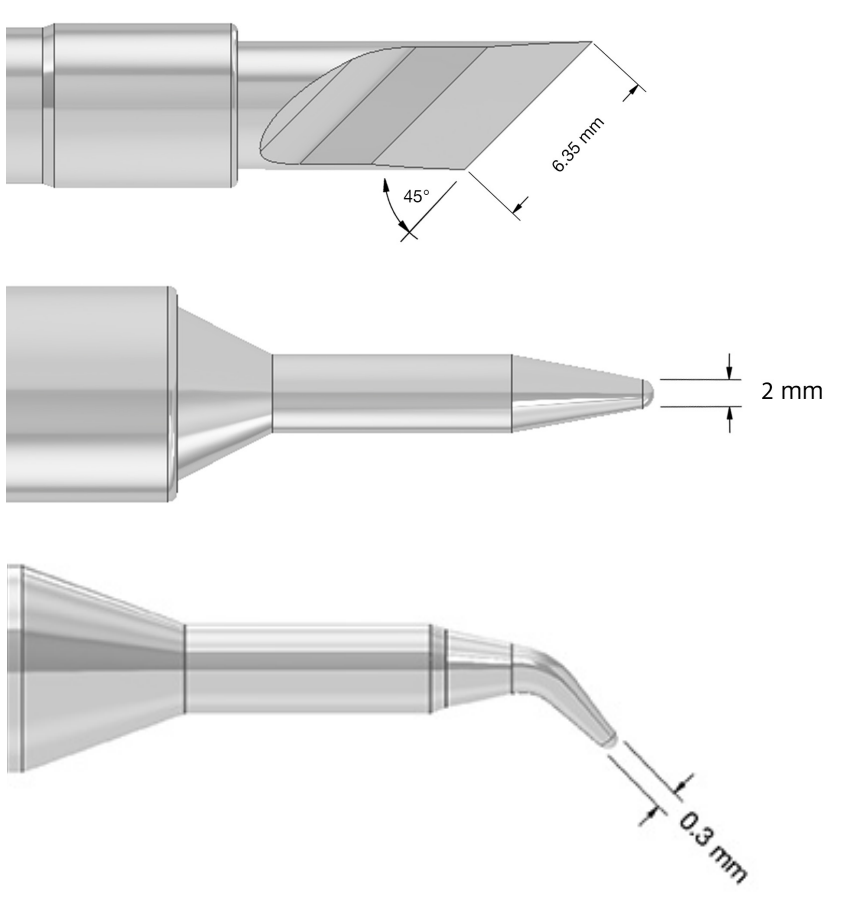
MBT360

- ✓ TD200 handpiece
- ✓ All AccuDrive® tips



MBT450

- ✓ TD200 handpiece
- ✓ All AccuDrive® tips



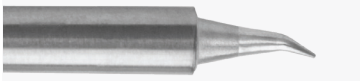
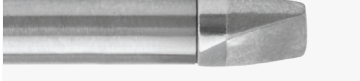
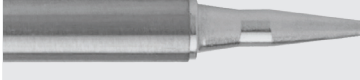
ANY TIP GEOMETRY

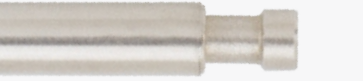
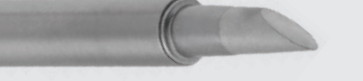
- AD SD MD
- AD-U TD

Five tip categories, one handpiece for use across all stations.

Standard Tips

AD

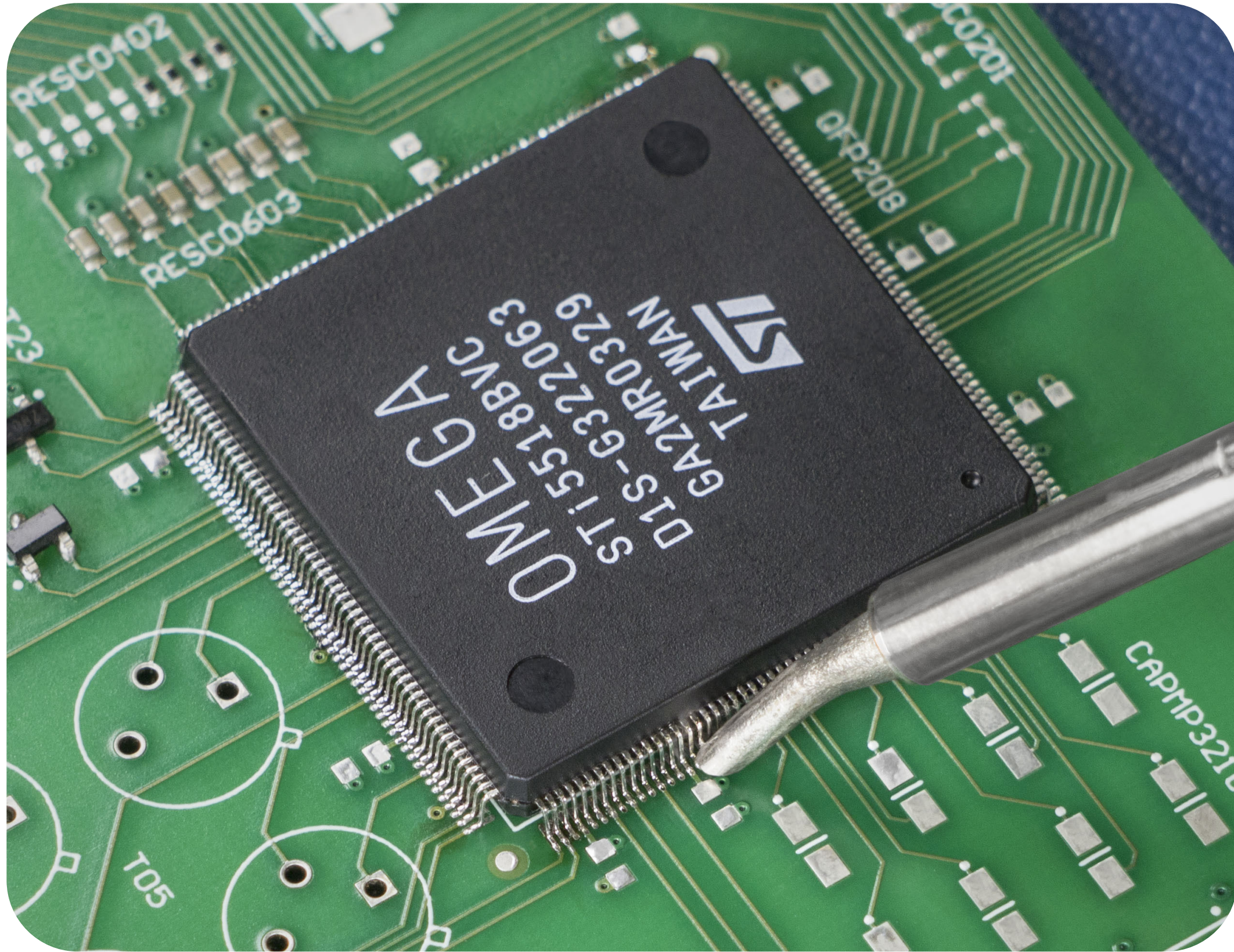
Tip	Description	Part Number/Tip ID
	0.8mm Conical Extended (1/32")	1130-0001-P1/AD-01
	0.4mm Conical Sharp (1/64")	1130-0002-P1/AD-02
	0.4mm Conical Bent (1/64")	1130-0003-P1/AD-03
	0.4mm Conical Extended (1/64")	1130-0004-P1/AD-04
	0.8mm Conical (13/64")	1130-0005-P1/AD-05
	1.2mm Chisel (3/64")	1130-0008-P1/AD-08
	5.1mm Chisel (13/64")	1130-0010-P1/AD-10
	0.4mm Bevel 60° (1/64")	1130-0011-P1/AD-11
	0.8mm Chisel (1/32")	1130-0012-P/AD-12
	2.4mm Chisel (3/32")	1130-0013-P1/AD-13
	0.4mm Conical Bent (1/64")	1130-0015-P1/AD-15
	1.2mm Chisel Bent (3/64")	1130-0016-P1/AD-16
	0.8mm Conical Extended (1/32")	1130-0018-P1/AD-18
	1.6mm Chisel (1/16")	1130-0019-P1/AD-19
	3.2mm Chisel 90° (1/8")	1130-0020-P1/AD-20
	3.2mm Chisel 90° Extended (1/8")	1130-0023-P1/AD-23

Tip	Description	Part Number/Tip ID
	1.6mm Bent Chisel (1/16")	1130-0026-P1/AD-26
	0.6mm Conical (3/128")	1130-0027-P1/AD-27
	4mm Heat Staking	1130-0031-P1/AD-31
	MiniWave®	1130-0032-P1/AD-32
	Angled MiniWave®	1130-0033-P1/AD-33
	3.2mm Single Sided Chisel (1/8")	1130-0034-P1/AD-34
	MiniWave® Angled Extended	1130-0035-P1/AD-35
	0.2mm Conical (1/128")	1130-0036-P1/AD-36
	6.35mm Knife Blade (1/4")	1130-0037-P1/AD-37
	0.8mm Chisel Single Sided	1130-0040-P1/AD-40
	0.4mm Conical Sharp	1130-0042-P1/AD-42
	MicroWave Angled	1130-0045-P1/AD-45
	1.3mm Chisel Angled	1130-0047-P1/AD-47
	MiniWave®	1130-0049-P1/AD-49S
	0.2mm Conical Sharp (1/128")	1130-0050-P1/AD-50S
	4mm Chisel 45° (5/32")	1130-0051-P1/AD-51

USE & APPLICATION

Standard Tips

AD



MiniWave® tips store extra solder in the cup and disperse it across a row of leads in a sweeping motion.

PACE’s Standard (AD) tip-heater cartridges offer a wide variety of geometries for everyday soldering application.

RANGE

Ranging from 0.2mm Conical Sharp (1/128") to 5.1mm Chisel (13/64") and 6.35mm Knife Blade (1/4").



Featuring the patented MiniWave® line for drag soldering and dispersing solder across a row of leads.

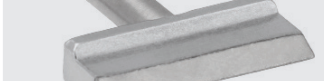


If you’re working with resistors, capacitors and diodes or QFP’s, SOIC’s and PLCC’s, this category of soldering tips is for you.

Specialized Tips

SD

Tip	Description	Part Number/Tip ID
	1.2mm Contour	1130-0060-P1/SD-60
	2.4mm Contour	1130-0061-P1/SD-61
	10.8mm Blade	1130-0501-P1/SD-501
	16mm Blade	1130-0502-P1/SD-502
	21.2mm Blade	1130-0503-P1/SD-503
	SOIC14.16 Removal	1130-0504-P1/SD-504
	SOIC8 Removal	1130-0519-P1/SD-519

Tip	Description	Part Number/Tip ID
	SOT23 Removal	1130-0522-P1/SD-522
	SOT89 Removal	1130-0523-P1/SD-523
	C1206 Removal	1130-0524-P1/SD-524
	C0805 Removal	1130-0525-P1/SD-525
	QFP80.100 Removal	1130-0531-P1/SD-531
	25mm Blade	1130-0532-P1/SD-532
	TQFP64 Removal	1130-0537-P1/SD-537

GEOMETRIES THIS CATEGORY HAS TO OFFER



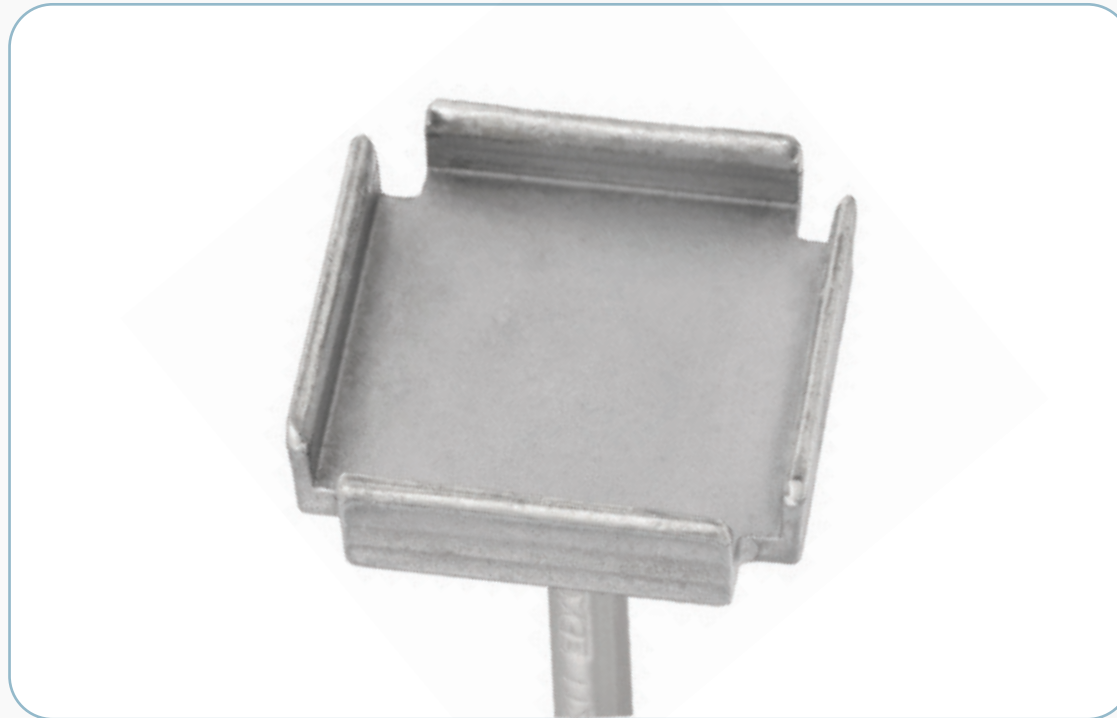
CONTOUR



BLADE



BIFURCATED

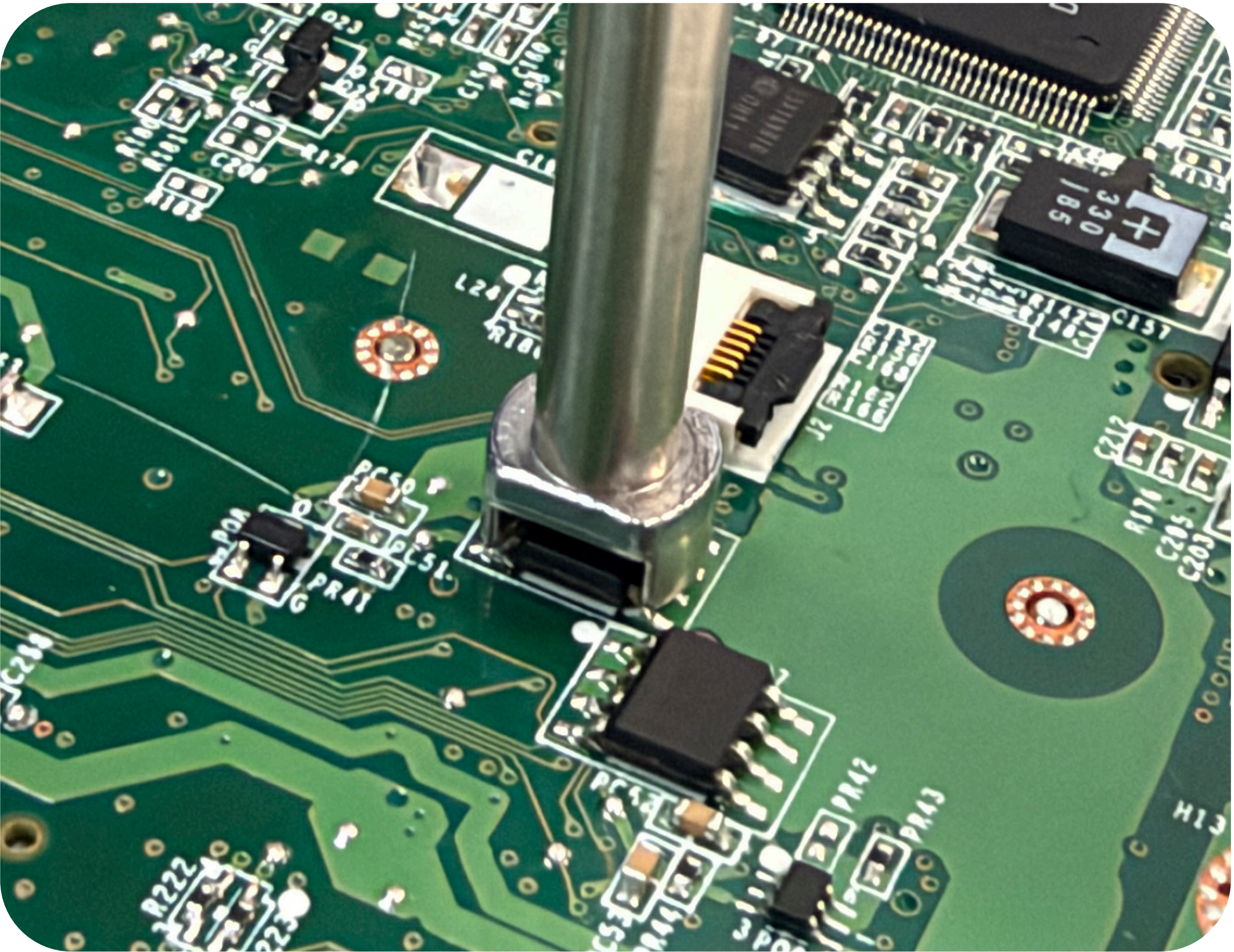


QUAD

USE & APPLICATION

Specialized Tips

SD



Bifurcated and Quad tips reflow two or four sides of a component at once.

PACE’s Specialized (SD) tip-heater cartridges offer a select, distinguished line of component specific geometries for specialized soldering application like SMD removal and thru-hole rework.

RANGE

Ranging from 1.2mm Contour to C1206 Removal and 25mm Blade.



If you’re working with SOIC’s, SOT’s and chip components or QFP’s, TQFP’s and thru-hole leads, then this category of soldering tips is for you.

MicroDrive[®] Tips

MD

Tip	Description	Part Number/Tip ID
	2.5mm Knife Blade	1130-0080-P1/MD-80
	0.3mm Bent Conical	1130-0081-P1/MD-81
	1mm Chisel	1130-0082-P1/MD-82

Tip	Description	Part Number/Tip ID
	1.6mm Chisel	1130-0083-P1/MD-83
	0.1mm Conical	1130-0084-P1/MD-84
	0.5mm Conical	1130-0085-P1/MD-85

GEOMETRIES THIS CATEGORY HAS TO OFFER



KNIFE BLADE



BENT CONICAL



CHISEL

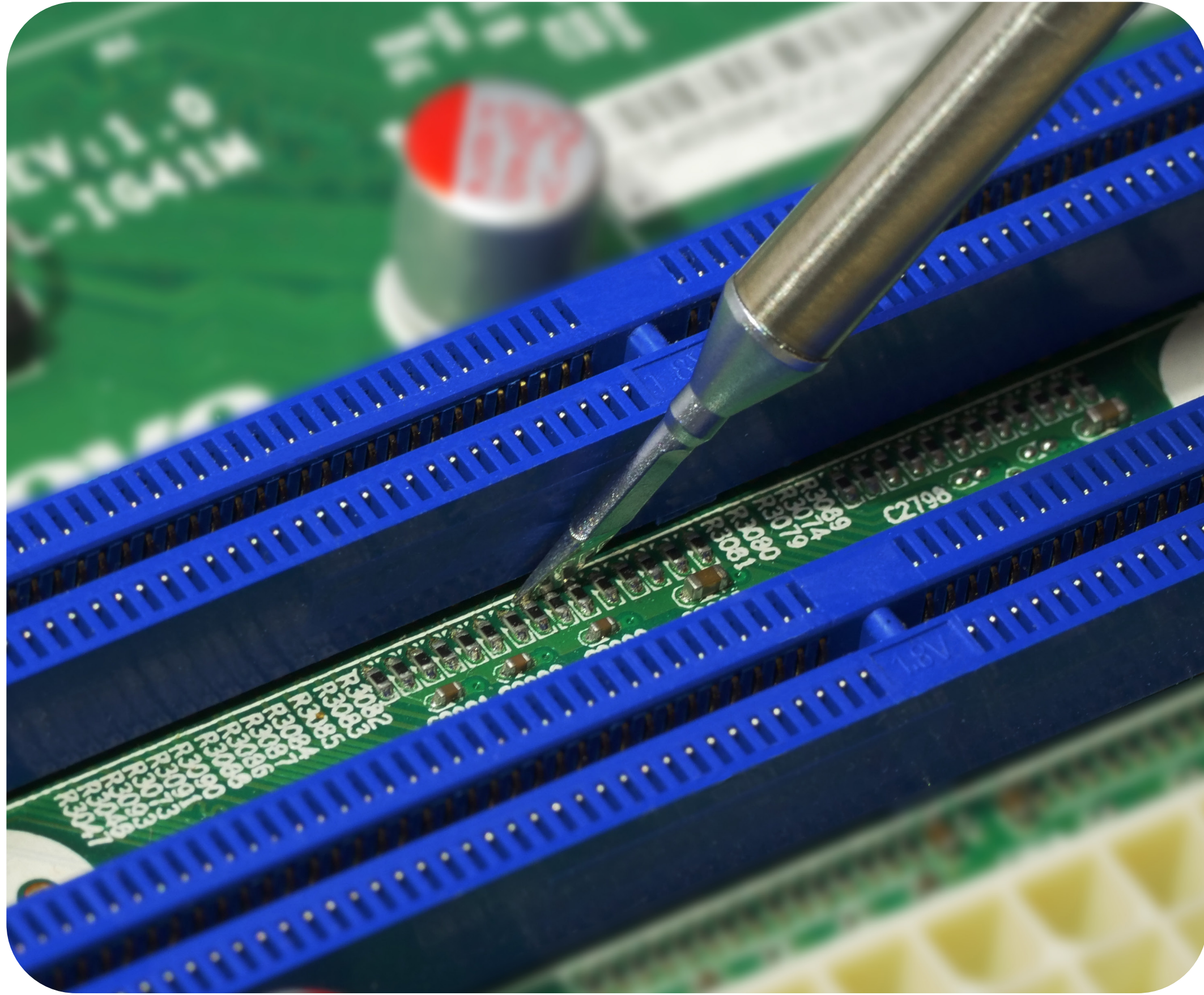


CONICAL

USE & APPLICATION

MicroDrive[®] Tips

MD



Designed to safely rework components as small as 0201's and 01005's.

PACE's MicroDrive (MD) tip-heater cartridges are designed for ultra-fine soldering on high-density PCB's and micro-components.

RANGE

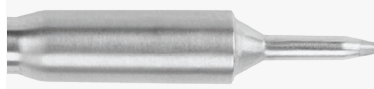
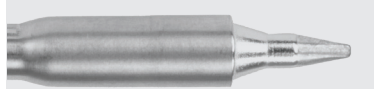
Ranging from 0.1mm Conical to 2.5mm Knife Blade, with bent conical and chisel geometries in between.

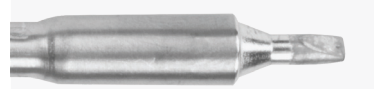


If you're working with 0201's, 01005's and 0402's or densely packed, high-density PCB's, then this category of soldering tips is for you.

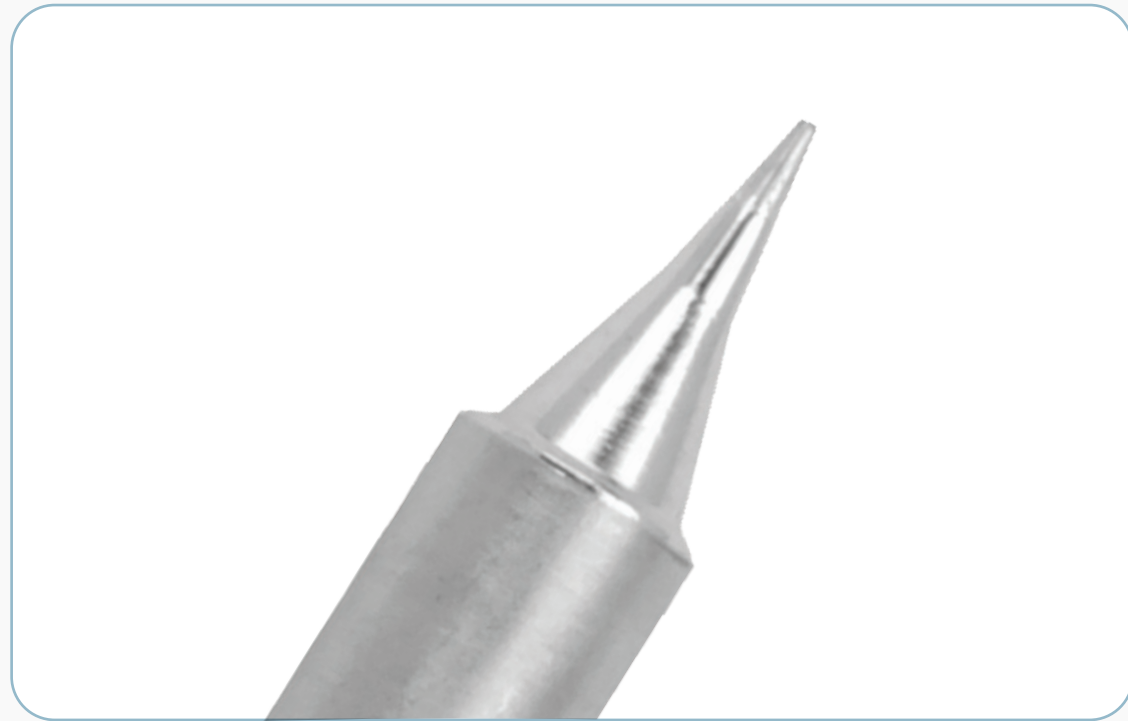
Ultra-Performance® Tips

AD-U

Tip	Description	Part Number/Tip ID
	0.8mm Conical Extended (1/32")	1131-0001-P1/AD-01U
	0.4mm Conical (1/64")	1131-0002-P1/AD-02U
	0.4mm Conical Bent (1/64")	1131-0003-P1/AD-03U
	1.2mm Chisel (3/64")	1131-0008-P1/AD-08U
	5.1mm Chisel (13/64")	1131-0010-P1/AD-10U

Tip	Description	Part Number/Tip ID
	0.8mm Chisel (1/32")	1131-0012-P1/AD-12U
	2.4mm Chisel (3/32")	1131-0013-P1/AD-13U
	1.6mm Chisel (1/16")	1131-0019-P1/AD-19U
	MiniWave®	1131-0032-P1/AD-32U
	6.35mm Knife Blade (1/4")	131-0037-P1/AD-37U

GEOMETRIES THIS CATEGORY HAS TO OFFER



CONICAL



CHISEL



MINIWAVE®

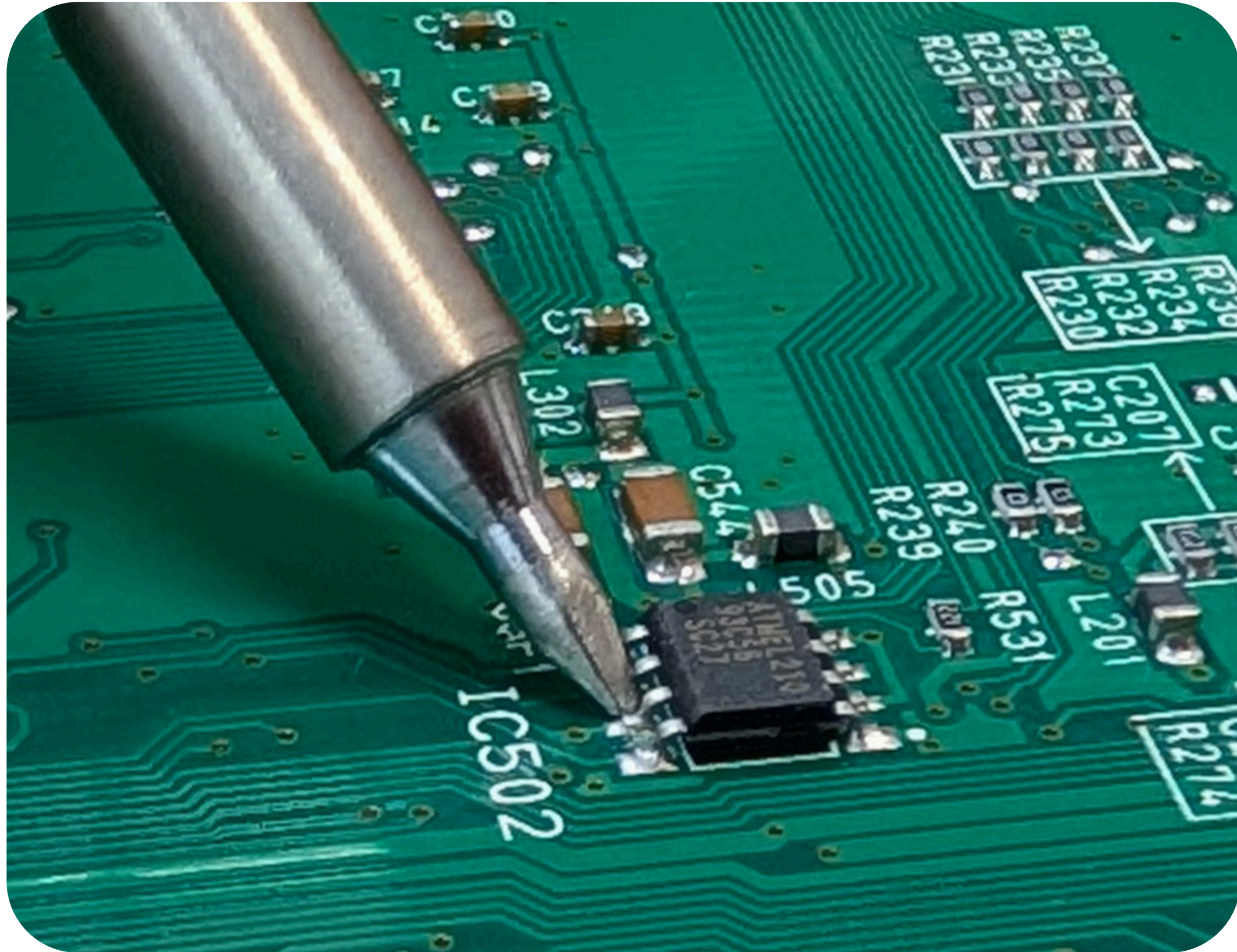


KNIFE BLADE

USE & APPLICATION

Ultra-Performance® Tips

AD-U



Ultra-Performance geometries mirror the Standard line, tuned for extended-use environments.

PACE’s Ultra-Performance (AD-U) tip-heater cartridges deliver maximum heat throughput through an increased thermal pipeline.

RANGE

Ranging from 0.4mm Conical (1/64") to 6.35mm Knife Blade (1/4").



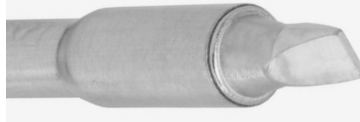
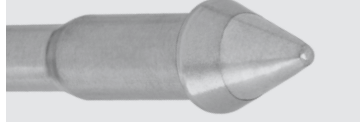
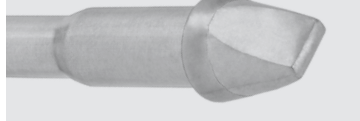
Designed and built for extended use on high-mass PCBs.

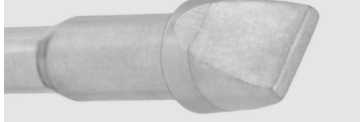
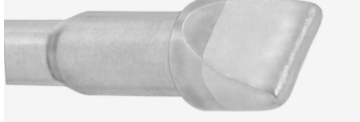
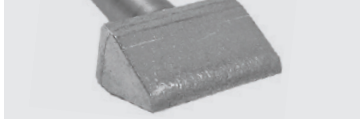


If you’re working with high-mass PCBs and ground planes or long production runs and heavy-use stations, then this category of soldering tips is for you.

ThermoDrive® Tips

TD

Tip	Description	Part Number/Tip ID
	3.2mm Chisel (1/8")	1131-0051-P1/ TD-51
	1.6mm Chisel 45° (1/16")	1131-0052-P1/ TD-52
	3.2mm Chisel 45° (1/8")	1131-0053-P1/ TD-53
	3.2mm Chisel 45° (3/16")	1131-0054-P1/ TD-54
	6.35mm Chisel 45° (1/4")	1131-0055-P1/ TD-55

Tip	Description	Part Number/Tip ID
	7.2mm Chisel 45° (9/32")	1131-0056-P1/ TD-56
	8mm Chisel 45° (5/16")	1131-0057-P1/ TD-57
	16mm Blade HD	1131-0541-P1/ TD-541
	25mm Blade HD	1131-0542-P1/ TD-542
	10.8mm Blade HD	1131-0543-P1/ TD-543

GEOMETRIES THIS CATEGORY HAS TO OFFER



30° CHISEL



45° CHISEL



WIDE 45° CHISEL

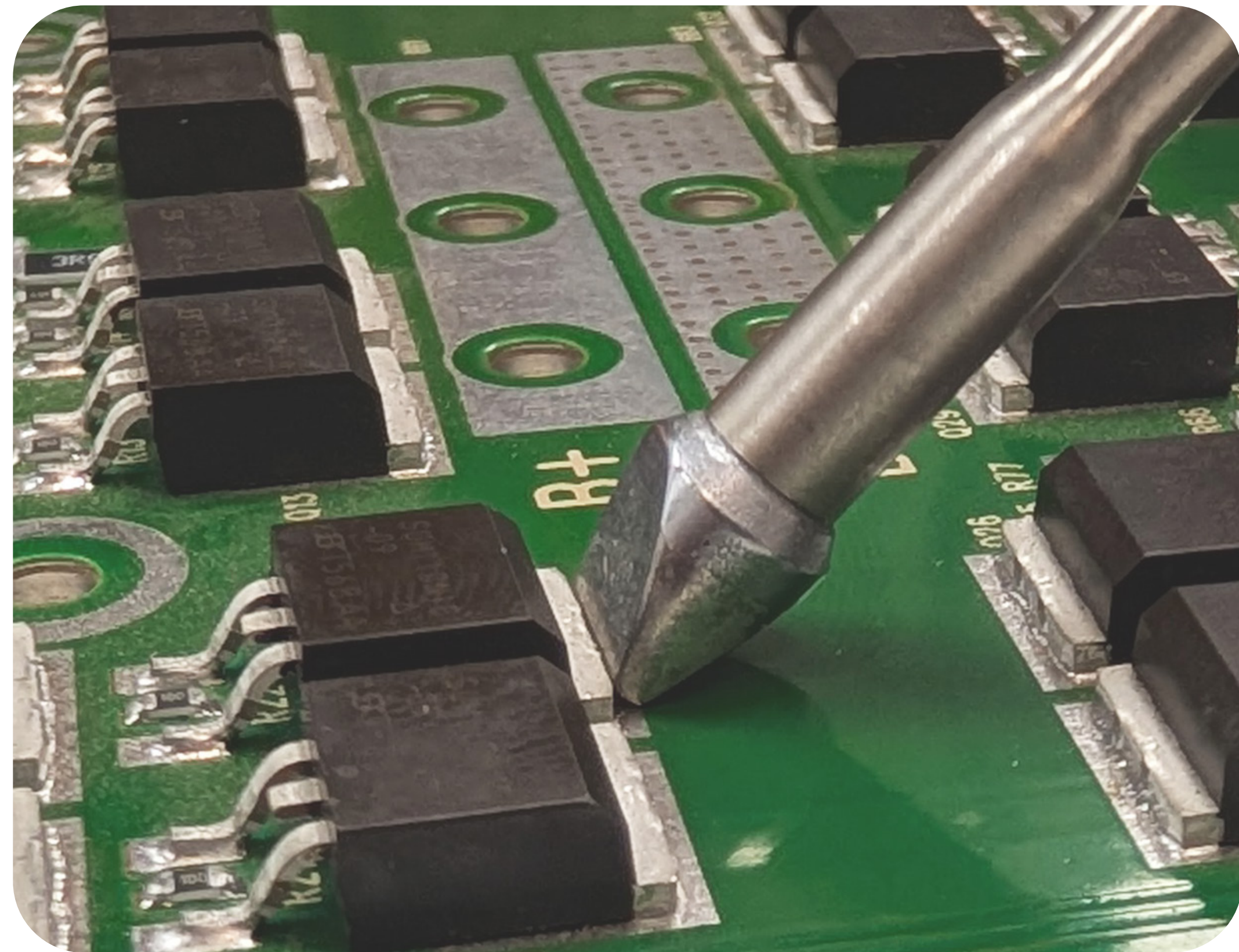


BLADE HD

USE & APPLICATION

ThermoDrive® Tips

TD

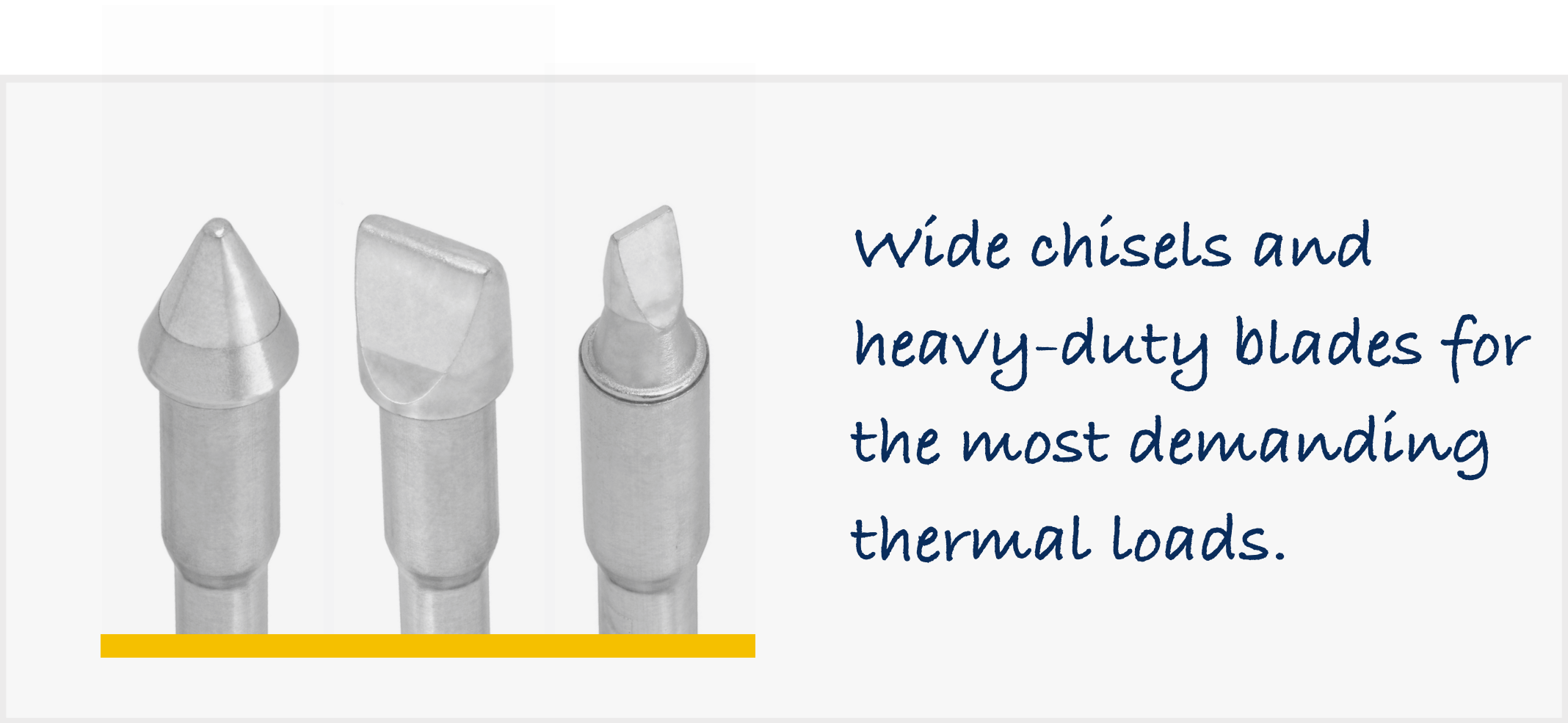


Wide 45° chisels geometries deliver the thermal capacity to reflow large terminals, connectors and heavy copper planes.

PACE's ThermoDrive (TD) tip-heater cartridges are built for high-mass application and large, heavy components.

RANGE

Ranging from 1.6mm Chisel 45° (1/16") to 25mm Blade HD.



If you're working with large connectors, terminals and bus bars or heavy ground planes and thru-hole power components, then this category of soldering tips is for you.

For more information and resources on our Soldering & Desoldering tools, visit **paceworldwide.com**.

paceworldwide.com

910.695.7223

346 Grant Road
Vass, NC 28394

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