

I N N O V A T I V E T I P D R E S S I N G S O L U T I O N S



US Patented Technology:
Unique Cutting Form with
Stabilizing Control Zones



CUTTER
SOLUTIONS

ABOUT US



The Inventor -
Joe Seme

As the co-founder of Cutter Solutions International, Joe Seme has extensive experience in the development of innovative tip dressing cutters and holder assemblies used in robotic spot welding. His patented single-piece, four-blade cutter design with hugger trim tabs has been proven to last three times longer than traditional cutters, while also reducing chatter and electrode bounce, improving chip management, and facilitating tip dressing at higher angles.

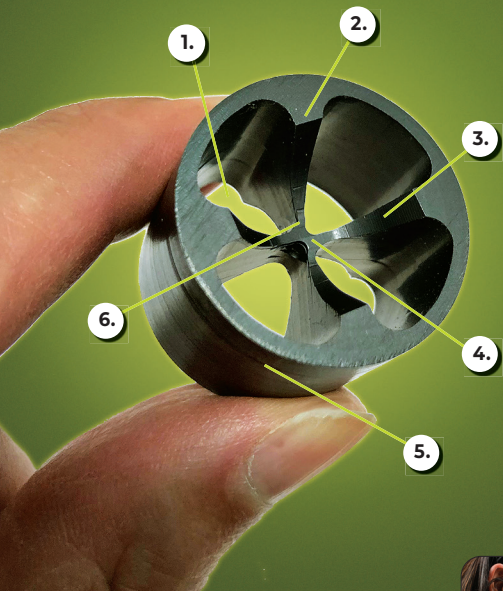
Joe originally co-developed his patented hugger style cutter for General Motors, which today is adapted for all types of automatic electrode tip dressers as either replacement cutters, or complete cutter and holder assemblies.

OUR ADVANTAGE

The one-piece construction of our cutters provides greater stability and consistent high-quality manufacturing tolerances. The patented four-blade hugger design reduces chatter and weld cap consumption. Hugger trim tabs improve capture and maintain the precise amount of cutter aggressiveness, while the weld face control zone slows cutting once full dress is achieved. The result is a controlled cut rate, longer cutter life and reduced chip size.

ADVANTAGES by Design:

1. Large Openings for Chip Clearance
2. 4 Precision Cutting Blades
3. 4 Stabilizing Control Zones
4. Weld Face Control Zone to Slow Cutting Action
5. Heat-Treated Tool Steel with Specialized Coatings
6. Chip Breakers for Better Chip Management



OUR CAPABILITIES

Using certified tool steel, specialized tooling for dimensional quality, and unique coating processes, our cutters and housings are manufactured to meet the highest performance standards for optimum strength and durability. We also follow rigorous quality control practices to ensure our cutters meet the highest quality standards.

OUR PRODUCTS

Patented Cutter and Holder Systems –

We offer several models of our patented cutters, and cutter and holder systems to work with your tip dressing equipment – all available in a range of weld face diameters to meet your specific needs.

Our cutters can also be easily adapted to fit your holder system, as well your specific force and time preferences.

Our cutting tools are manufactured with certified tool steel that is heat treated for added strength and durability. A special coating process produces carbide surface hardness, while additional coating materials enhance lubricity, durability and performance.

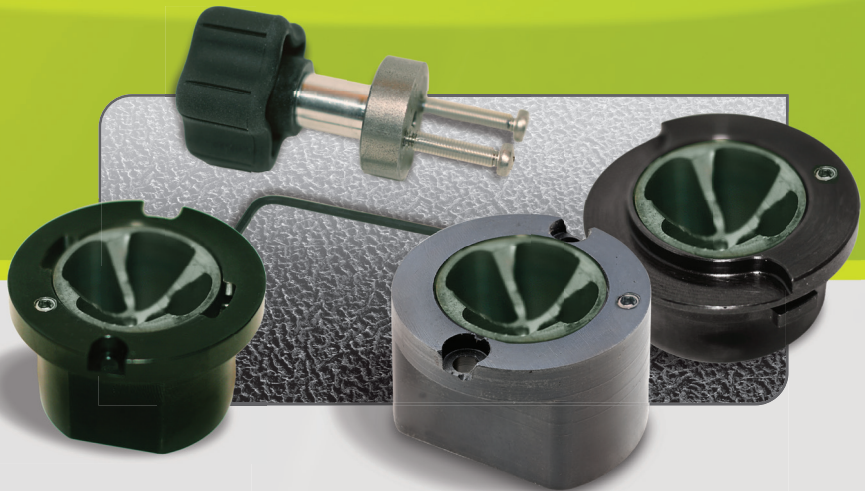


US Patent
No. 11,224,933 B2

QC HUGGER QUICK CHANGE CUTTER SYSTEM

Our patented innovations in tip dressers feature a single-piece, four-blade, hugger design. This unique design reduces chatter and electrode bounce, while the flared-out flute geometry creates clearance for high angle dressings.

Our cutter also produces small chips for easy clean-up and improved safety. Large openings between each cutting blade allow chips to easily pass without clogging.



OTHER MODELS AVAILABLE

Whether you're looking for replacement cutters or a complete cutter and holder assembly, we have the tip dressing cutter solution to meet your needs. Contact us today to find out how our patented cutter design can provide you with greater control, consistency and performance – all while extending the service life of your tip dressing.

CUTTER SOLUTIONS INTERNATIONAL: was founded in July 2012 by Joe and Nancy Seme. Joe has developed several US patented cutting tool innovations in tip dressing, including the co-development of the current tip dressing system for General Motors, which features a single piece, four-blade cutter with a hugger-style design.



A new white paper from Cutter Solutions International explores how the latest innovations in tip dressing are yielding greater control and consistency, while extending tip dressing service life.

The Role of Cutter Geometry in Advancing Tip Dressing

By Joe Seme

Request your free copy of this new white paper by going online to:

<http://www.tipdressercutter.com/whitepaper>

CUTTER SOLUTIONS INTERNATIONAL LLC

1410 Highland Road E
Macedonia, Ohio 44056
cuttersolutions.com
1.850.725.5600



CUTTER SOLUTIONS