

**COMING
SOON!**



Power. Precision. Performance.

TURBOCHARGED FOR THE **SPEED** YOU NEED.

**THE NEW IMCO
POW•R•FEED M936**

**FASTER, CLOG-FREE
CUTTING POWER**



The NEW POW•R•FEED M936

Every element is optimized to give you the fastest, most aggressive, clog-free cutting to get your production higher than you ever thought possible.

Whether you're using low-horsepower equipment, high-speed machining centers or a 5-axis machine, POW-R-FEED M936 cutters give you the power to get more production out of every machine, every shift, every day.

Options

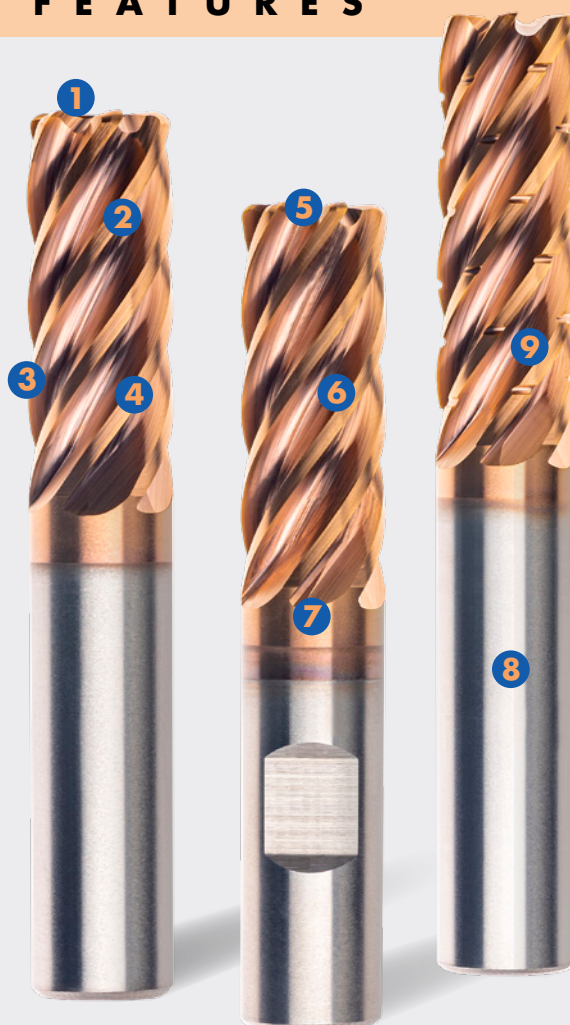
- Chip Management System
- Square end and corner radius
- Varying flute lengths
- Weldon flat

Exceptional Tool Life

- Super-tough-grade carbide
- Reinforced cutting edges
- Low chatter – variable helix and variable index
- Advanced AlTiSN coating

POW•R•FEED M936 FEATURES

- 1** Proprietary end geometries for extremely aggressive ramping and helical entry parameters
- 2** Variable helix angle for excellent chip evacuation, long tool life
- 3** Variable index for reduced chatter provides superior balance, super-stable performance
- 4** Extra-fine cutting edges with edge prep for prolonged life
- 5** Wiper flat for superior floor finishes
- 6** Unique flute and core geometries for amazing metal removal rates and the free-est cutting action in the toughest materials
- 7** Ultra-modern AlTiSN coating for super-lubricity and great chip evacuation
- 8** Super-tough carbide grade for incredible tool life
- 9** Second generation chip management system eliminates chip pollution, even in tight pockets and confined spaces



For use in:



STEELS



TITANIUM



STAINLESS STEEL



CAST IRON



HARDENED STEELS

Virtually Impossible to Clog

Unique flute and core geometries make available extremely aggressive cutting parameters. The proprietary end face allows very aggressive ramping and helical entry tool paths.

Usually, these operations would result in faster tool wear and shorter tool life. But the M936's super-tough carbide core and slippery-smooth ALTiSN coating combine with cutting edges and geometries to keep the cutting zone clear for higher feeds and metal removal rates.

Regardless of your machine's horsepower, get maximized free cutting action, facilitate maximum speed, and get extended tool life in the metals you work with most.

The new POW-R-FEED M936 series end mills.

Aggressive roughing and pocketing in a wide variety of materials for much faster material removal. Aggressive flute and end face geometries make the tool virtually impossible to clog.

GET SPEEDS AND FEEDS FAST ONLINE!



IMCO'S EASY-TO-USE ONLINE TOOL
FOR DYNAMIC SPEEDS AND FEEDS

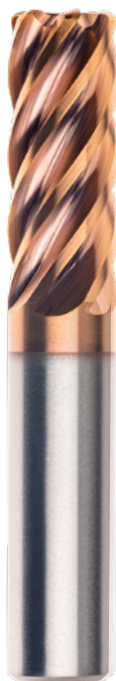
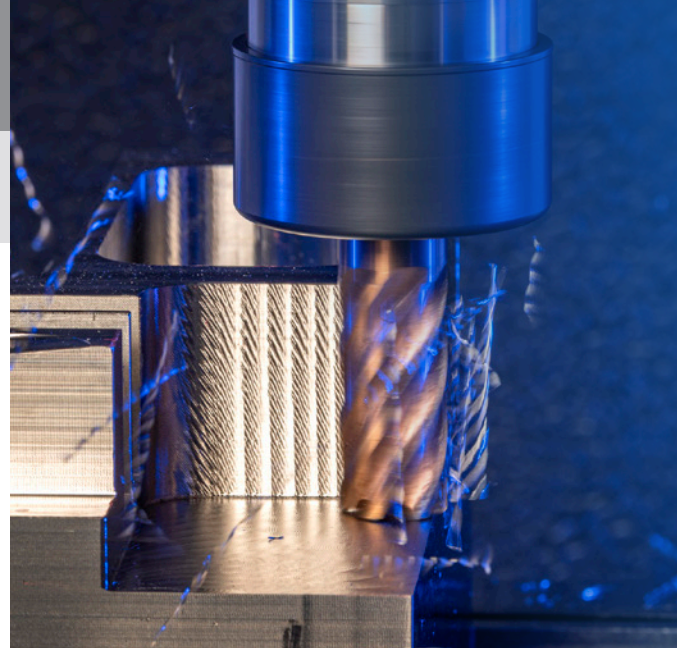
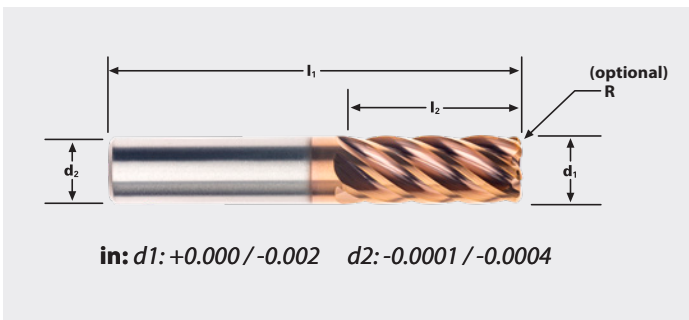
Be sure to check it before you wreck it!

Simply input your part number or describe your tool, input select details about your application, confirm your machine details, and get ready to rock and roll with highly technical and in-depth speed and feed recommendations.

Scan the QR code to get started! ▶



POW•R•FEED M936



For maximum performance in a wide variety of materials. Helical enter, ramp, slot and peripheral mill at fantastic feed rates. Maximize the output of your machines.

Designed for very aggressive traditional tool paths, stepovers and depths beyond the reach of legacy tools. It's IMCO's free-est cutting end mill to date. And with that amazing performance you also get long, long tool life.

FRACTIONAL /in

| Cutter Dia d1 | Shank Dia d2 | Length of Cut L2 | Overall Length L1 | Order Code SQ | Order Code by Corner Radius | | | |
|------------------|-----------------|---------------------|----------------------|------------------|-----------------------------|---------|---------|---------|
| | | | | | .010 CR | .015 CR | .030 CR | .060 CR |
| 1/4 | 1/4 | 3/8 | 2 | 9174611 | 9175817 | 9175136 | 9175137 | 9175138 |
| | | 1/2 | 2-1/2 | 9175639 | 9175818 | 9175140 | 9175141 | - |
| | | 3/4 | 2-1/2 | 9175640 | 9175819 | 9175143 | 9175144 | 9175145 |
| | | 1 | 3 | 9175641 | 9175820 | 9175146 | 9175147 | - |
| 5/16 | 5/16 | 7/16 | 2 | 9175642 | - | - | - | - |
| | | 13/16 | 2-1/2 | 9175643 | - | 9175160 | - | - |
| | | 1-1/4 | 3 | 9175644 | - | - | - | - |
| 3/8 | 3/8 | 1/2 | 2 | 9175645 | 9175821 | 9175166 | 9175167 | - |
| | | 1 | 2-1/2 | 9175646 | 9175822 | 9175171 | 9175172 | 9175173 |
| | | 1-1/4 | 3 | 9175647 | 9175831 | 9175176 | 9175177 | 9175178 |
| | | 1-1/2 | 3-1/2 | 9175648 | - | - | - | - |
| 1/2 | 1/2 | 5/8 | 2-1/2 | 9175649 | 9175833 | 9175186 | 9175187 | 9175188 |
| | | 1 | 3 | 9175650 | 9175834 | 9175191 | 9175192 | 9175193 |
| | | 1-1/4 | 3 | 9175651 | 9175835 | 9175196 | 9174264 | 9175197 |
| | | 1-1/2 | 3-1/2 | 9175652 | - | - | 9175202 | - |
| | | 1-3/4 | 4 | 9175653 | - | - | 9175208 | - |
| | | 2 | 4 | 9175654 | - | - | 9175213 | 9175214 |
| 5/8 | 5/8 | 3/4 | 3 | - | - | - | - | - |
| | | 1-1/4 | 3-1/2 | - | - | - | - | - |
| | | 1-5/8 | 3-1/2 | 9175657 | - | - | 9175227 | - |
| | | 2-3/16 | 4 | - | - | - | - | - |
| 3/4 | 3/4 | 1 | 3 | - | - | - | - | - |
| | | 1-5/8 | 4 | 9175660 | - | - | 9175242 | 9175243 |
| | | 2-1/4 | 5 | 9175661 | - | 9175248 | - | - |

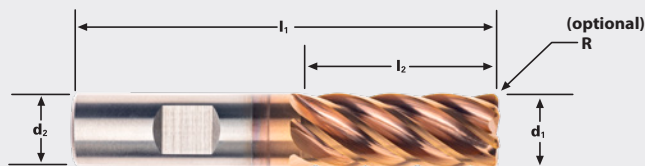


Use **Toolbot** to get dynamic speed and feed information by scanning the QR code

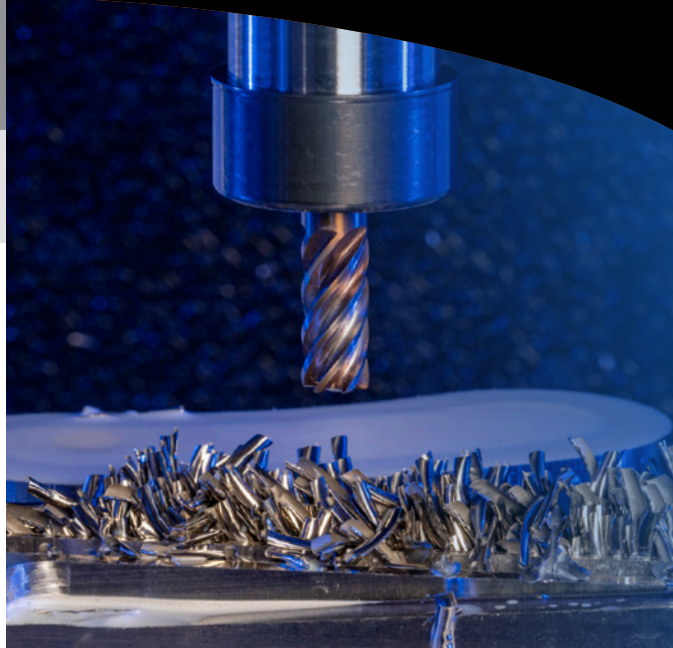


Access POW•R•FEED speed and feed charts by scanning the QR code

POW•R•FEED M936



in: $d1: +0.000 / -0.002$ $d2: -0.0001 / -0.0004$



FRACTIONAL /in



For maximum performance in a wide variety of materials. Helical enter, ramp, slot and peripheral mill at fantastic feed rates. Maximize the output of your machines. Order with flat for Weldon-style tool holders.

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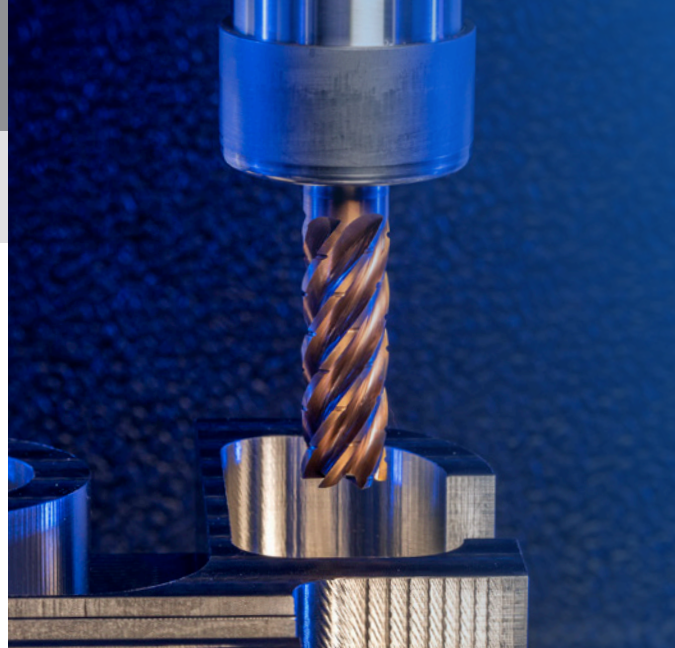
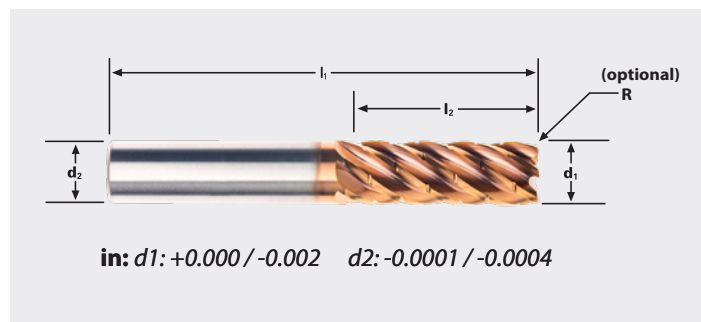
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|------------------|-----------------|---------------------|----------------------|------------------|-----------------------------|---------|---------|---------|
| | | | | | .010 CR | .015 CR | .030 CR | .060 CR |
| 3/8 | 3/8 | 1/2 | 2 | 9175796 | - | | 9175869 | - |
| | | 1 | 2-1/2 | 9175797 | 9175840 | 9175850 | 9175870 | - |
| | | 1-1/4 | 3 | 9175798 | - | - | 9175871 | - |
| | | 1-1/2 | 3-1/2 | | - | - | - | - |
| 1/2 | 1/2 | 5/8 | 2-1/2 | 9175800 | - | - | - | - |
| | | 1 | 3 | 9175801 | 9175844 | 9175854 | 9175874 | - |
| | | 1-1/4 | 3 | 9175802 | 9175845 | 9175855 | 9175875 | 9175895 |
| | | 1-1/2 | 3-1/2 | - | - | - | - | - |
| | | 1-3/4 | 4 | - | - | - | - | - |
| | | 2 | 4 | - | - | - | - | - |
| 5/8 | 5/8 | 3/4 | 3 | - | - | - | - | - |
| | | 1-1/4 | 3-1/2 | - | - | - | - | - |
| | | 1-5/8 | 3-1/2 | 9175808 | - | - | 9175881 | - |
| | | 2-3/16 | 4 | - | - | - | - | - |
| 3/4 | 3/4 | 1 | 3 | - | - | - | - | - |
| | | 1-5/8 | 4 | 9175812 | - | - | 9175884 | - |
| | | 2-1/4 | 5 | - | - | - | - | - |

TECH TALK | FASTER CYCLE TIMES

Use various tool path moves without slowing down, even when cutting odd shapes or narrow configurations. Whether you're running in advanced 5-axis machines, doing an HEM cut or using a more conventional tool path, the M936 will help you save time and money with clog-free cutting.



POW•R•FEED M936C



IMCO's second generation Chip Management System (CMS), combined with optimized cutting and flute geometries, reduces the risk of clogging, even with extremely aggressive cutting parameters. Precision notches in the cutting edges eliminate long chips that create chip pollution, eliminating evacuation issues and the recutting of chips. The ultra-modern AlTiSiN slippery-smooth coating also helps eliminate chip buildup.

You get maximum free cutting action, maximum speed, maximum metal removal and maximum tool life in the toughest metals you work with most.

FRACTIONAL /in

| Cutter Dia d1 | Shank Dia d2 | Length of Cut l2 | Overall Length l1 | Order Code by Corner Radius | | |
|------------------|-----------------|---------------------|----------------------|-----------------------------|---------|---------|
| | | | | .015 CR | .030 CR | .060 CR |
| 1/4 | 1/4 | 3/8 | 2 | 9175955 | - | - |
| | | 1/2 | 2-1/2 | 9175956 | - | - |
| | | 3/4 | 2-1/2 | 9175957 | - | - |
| | | 1 | 3 | 9175958 | - | - |
| 3/8 | 3/8 | 1/2 | 2 | 9175959 | 9175969 | - |
| | | 1 | 2-1/2 | 9175960 | 9175970 | - |
| | | 1-1/4 | 3 | 9175961 | 9175971 | - |
| | | 1-1/2 | 3-1/2 | - | - | - |
| 1/2 | 1/2 | 5/8 | 2-1/2 | 9175963 | 9175973 | - |
| | | 1 | 3 | 9175964 | 9175974 | - |
| | | 1-1/4 | 3 | 9175965 | 9175975 | 9175990 |
| | | 1-1/2 | 3-1/2 | - | 9175976 | - |
| | | 1-3/4 | 4 | - | 9175977 | - |
| | | 2 | 4 | - | 9175978 | - |
| 5/8 | 5/8 | 3/4 | 3 | - | - | - |
| | | 1-1/4 | 3-1/2 | - | - | - |
| | | 1-5/8 | 3-1/2 | - | 9175981 | 9175996 |
| | | 2-3/16 | 4 | - | - | - |
| 3/4 | 3/4 | 1 | 3 | - | - | - |
| | | 1-5/8 | 4 | - | 9175984 | 9175999 |
| | | 2-1/4 | 5 | - | - | - |

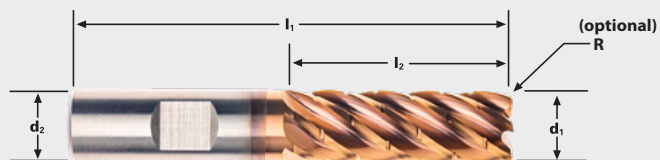
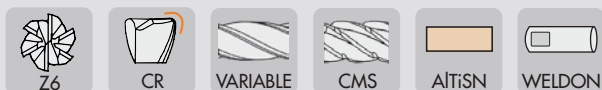


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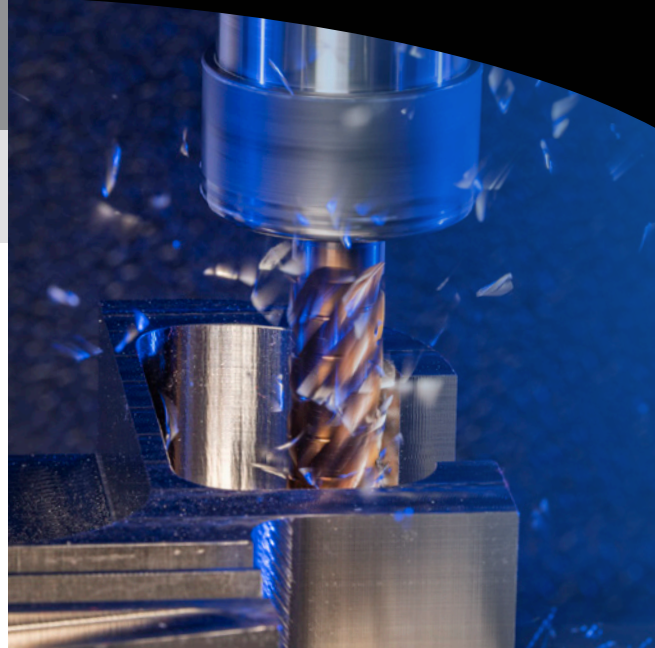


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POW•R•FEED M936C



in: d1: +0.000 / -0.002 d2: -0.0001 / -0.0004



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FRACTIONAL /in

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|------------------|-----------------|---------------------|----------------------|-----------------------------|---------|---------|
| | | | | .015 CR | .030 CR | .060 CR |
| 3/8 | 3/8 | 1/2 | 2 | - | - | - |
| | | 1 | 2-1/2 | 9176005 | 9176015 | - |
| | | 1-1/4 | 3 | 9176006 | 9176016 | - |
| | | 1-1/2 | 3-1/2 | - | - | - |
| 1/2 | 1/2 | 5/8 | 2-1/2 | - | - | - |
| | | 1 | 3 | 9176009 | 9176019 | 9176035 |
| | | 1-1/4 | 3 | 9176010 | 9176020 | 9176036 |
| | | 1-1/2 | 3-1/2 | - | - | - |
| | | 1-3/4 | 4 | - | - | - |
| | | 2 | 4 | - | - | - |
| 5/8 | 5/8 | 3/4 | 3 | - | - | - |
| | | 1-1/4 | 3-1/2 | - | - | - |
| | | 1-5/8 | 3-1/2 | - | 9176026 | 9176042 |
| | | 2-3/16 | 4 | - | - | - |
| 3/4 | 3/4 | 1 | 3 | - | - | - |
| | | 1-5/8 | 4 | - | 9176029 | 9176045 |
| | | 2-1/4 | 5 | - | - | - |

TECH TALK | AMAZING SPEEDS

Create forms, pockets, slots and other irregular shapes. Perform ramping, helical entry or peripheral milling. It's all executed at astounding speeds with smooth walls and floors.

Price-to-performance ratio = **exceptional.**



NEW POW•R•FEED M936



Take production higher.

Get the aggressive, clog-free cutting speed you need and put your production over the top with POW-R-FEED M936 end mills. Only from IMCO. See for yourself at imcousa.com.

Contact your local distributor today for pricing and availability.

In USA call **1-800-765-4626**

International **419-661-6313**

Fax **419-661-6314**

Email **CustomerService@imcousa.com**



Visit **www.imcousa.com**
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Power. Precision. Performance.

IMCO Carbide Tool Inc.

28170 Cedar Park Blvd., Perrysburg, OH 43551

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