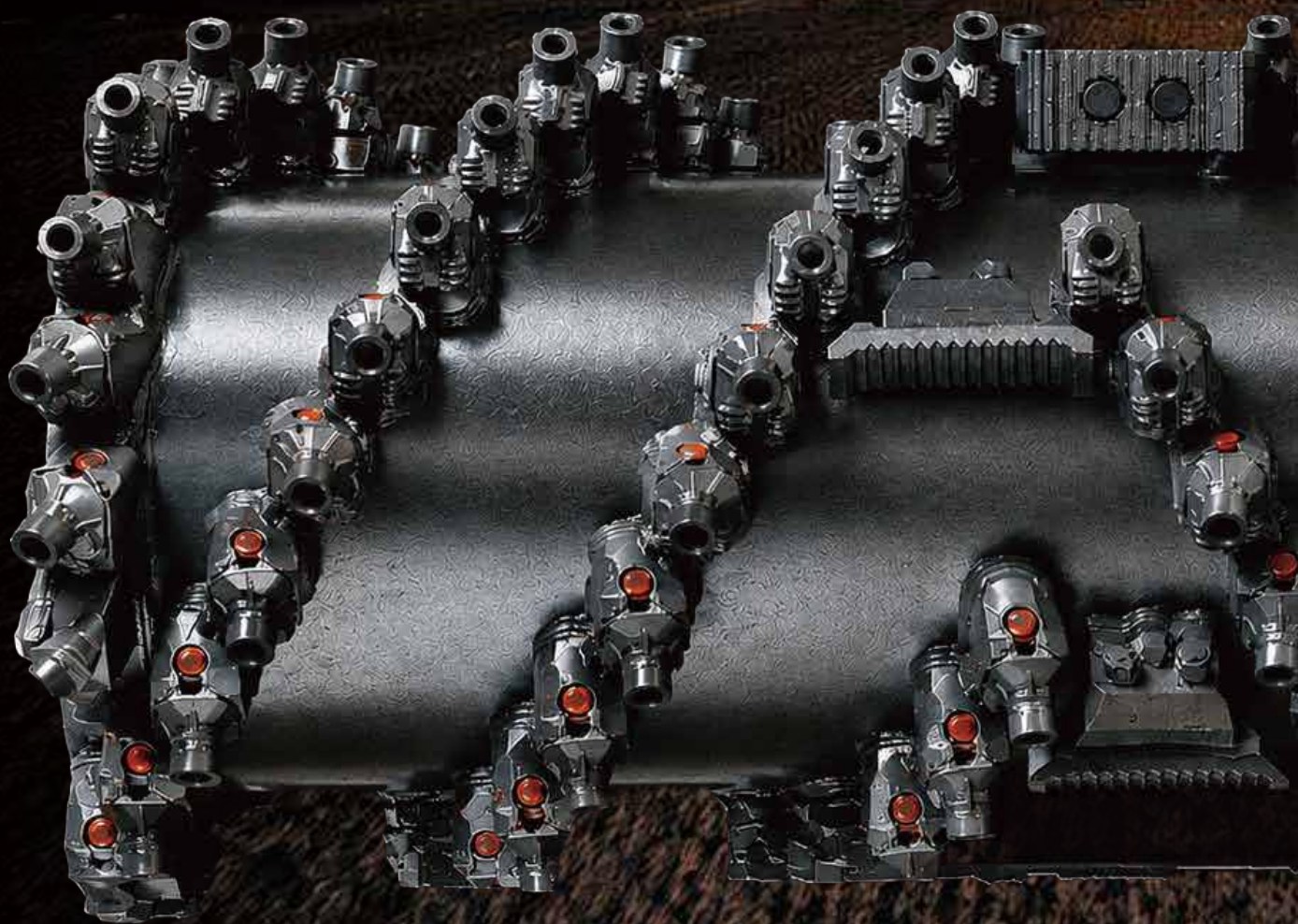




— **PRODUCT CATALOGUE 2026**

GEN-E

MILLING DRUM SYSTEMS

PATENTED DRUMS
BUILT FOR REAL FIELD PROBLEMS.

From standard milling to micro-fine applications, every EVERPADS drum starts with a problem contractors deal with in the field.

Holder stability.

Difficult tooth replacement.

Wear parts that force premature drum replacement.

Different problems.

Purpose-built drum systems.



EVERPADS MILLING DRUM SYSTEMS

PATENTED DRUMS BUILT FOR REAL FIELD PROBLEMS

Our drums are designed around the problems contractors actually run into in the field.
Not every drum problem is the same.
Some jobs need better holder stability.
Some need smoother tooth changes in dense layouts.
Some need a whole new way to replace wear parts on a micro-fine drum.
That is why we build a different drum system for each one.

THREE PATENTED DRUMS. THREE FIELD PROBLEMS SOLVED.

TH12N

STANDARD MILLING DRUM

1.85× the Contact Area. Self-Centering Shank. Interlocking Fit. Less Maintenance. Fewer Parts Replaced.

1.3× drum life.

Lower maintenance cost.

No routine 500-hour retorquing of every holder under normal operating conditions.

TH18

MICRO-FINE MILLING DRUM

Lowest-Maintenance One-Piece-Holder Micro-Fine Milling Drum.

30–40% faster tooth changes.

80% fewer jams.

90% less base damage during tooth changes.



NEW 2026

TH24

MICRO-FINE MILLING DRUM • OUR NEWEST INVENTION

World's First Quick-Change Holder Drum for Micro-Fine Milling.*

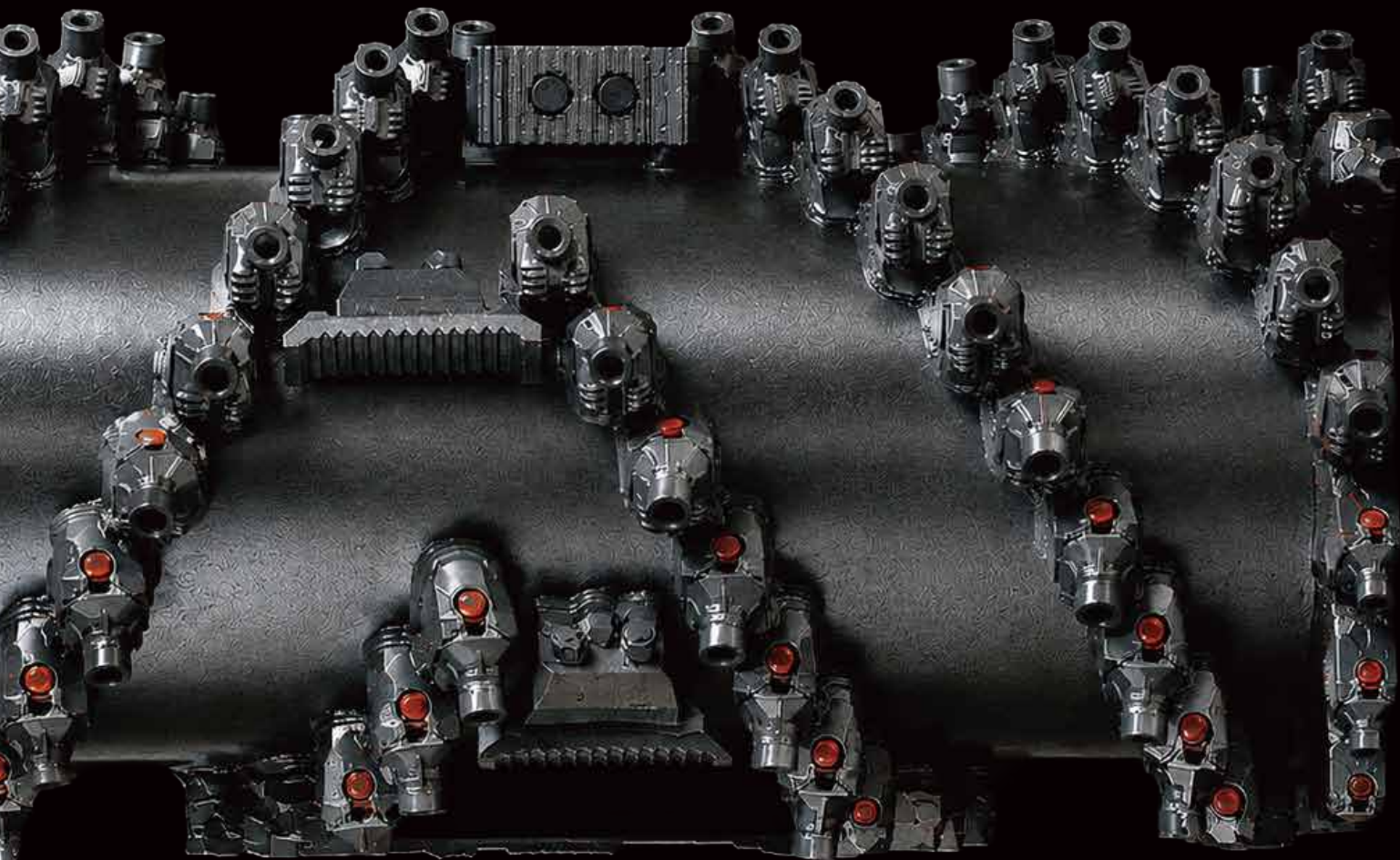
Up to 8× designed service life

About 55% lower drum material cost over 24,000 designed service hours.

Up to 60% faster tooth changes.

No retorquing requirement under normal operation.

*First quick-change holder system for micro-fine milling drums with 6×1 and 6×2 tooth spacing, based on EVERPADS' global market survey as of May 2026.



PATENTED TH12N

STANDARD MILLING DRUM

BEYOND ROUTINE.

BRAND-NEW LOGIC.

Built for 1.3× drum life, lower maintenance cost, and premium milling results. TH12N is a patented standard milling drum system designed to extend drum life by reducing bolt-hole stress and eliminating routine 500-hour retorquing of every holder under normal operation.

Key Benefits

1.3× DRUM LIFE

TH12N helps extend drum life by reducing repeated bolt-hole stress caused by routine retorquing cycles.



LESS MAINTENANCE COST

No routine 500-hour holder retorquing requirement under normal operation helps reduce service labor and maintenance interruption.



PREMIUM MILLING RESULT

A more stable holder-base system helps protect cutting consistency, drum stability, and long-term milling performance.



CONTRACTOR TAKEAWAY

More working time.
Less maintenance.
Premium milling results.

“ Bolt-Hole Failure Should Not Be Treated as Normal.”

In many traditional quick-change drum designs, retorquing every holder is treated as routine maintenance.

But every bolt hole has a limited retorquing life.

Every retorquing cycle consumes the bolt hole.

That means many drums are replaced while other parts are still usable, simply because the bolt holes have reached their limit.

Traditional Designs Put Too Much of the Holding Load on the Bolts

When bolts carry too much impact force:

Bolts loosen during operation.

Loose bolts must be retorqued.

Retorquing protects holder stability,
but every retorquing cycle consumes bolt-hole life.

The real problem is a design that needs too much retorquing.

Bolt-Hole Failure Pattern

01



**BOLTS CARRY
TOO MUCH LOAD**

02



**BOLTS LOOSEN
DURING MILLING**

03



**FREQUENT
RETORQUING**

04



**BOLT-HOLE
WEAR**

05



**EARLY DRUM
FAILURE**

LESS BOLT RELIANCE. LESS RETORQUING. MORE DRUM LIFE.

TH12N Solution

TH12N reduces bolt reliance through a patented holder-base design that distributes impact force more effectively and stabilizes the holder under normal operation.

Innovative Holder-Base System



Wider Holder-Base Contact Area

1.85× the contact area of traditional designs helps distribute impact across the holder-base system instead of concentrating the force on the bolts.



Self-Locking Geometry

The geometry redirects force into a more stable locking direction, reducing the tendency for holder movement and bolt loosening.



80% Less Bolt-Hole Stress

Less routine retorquing means less repeated wear on bolt holes.

TH12N changes the standard milling drum conversation:

Not more retorquing.
Better holder logic.

SELF-CENTERING SHANK

The shank seats the holder dead center in the tool holder. A centered holder sits tight and doesn't work loose.



INTERLOCKING HOLDER-BASE INTERFACE

The TH12N drum features a 7,248 mm² contact surface, nearly double the 3,900 mm² found in traditional designs.

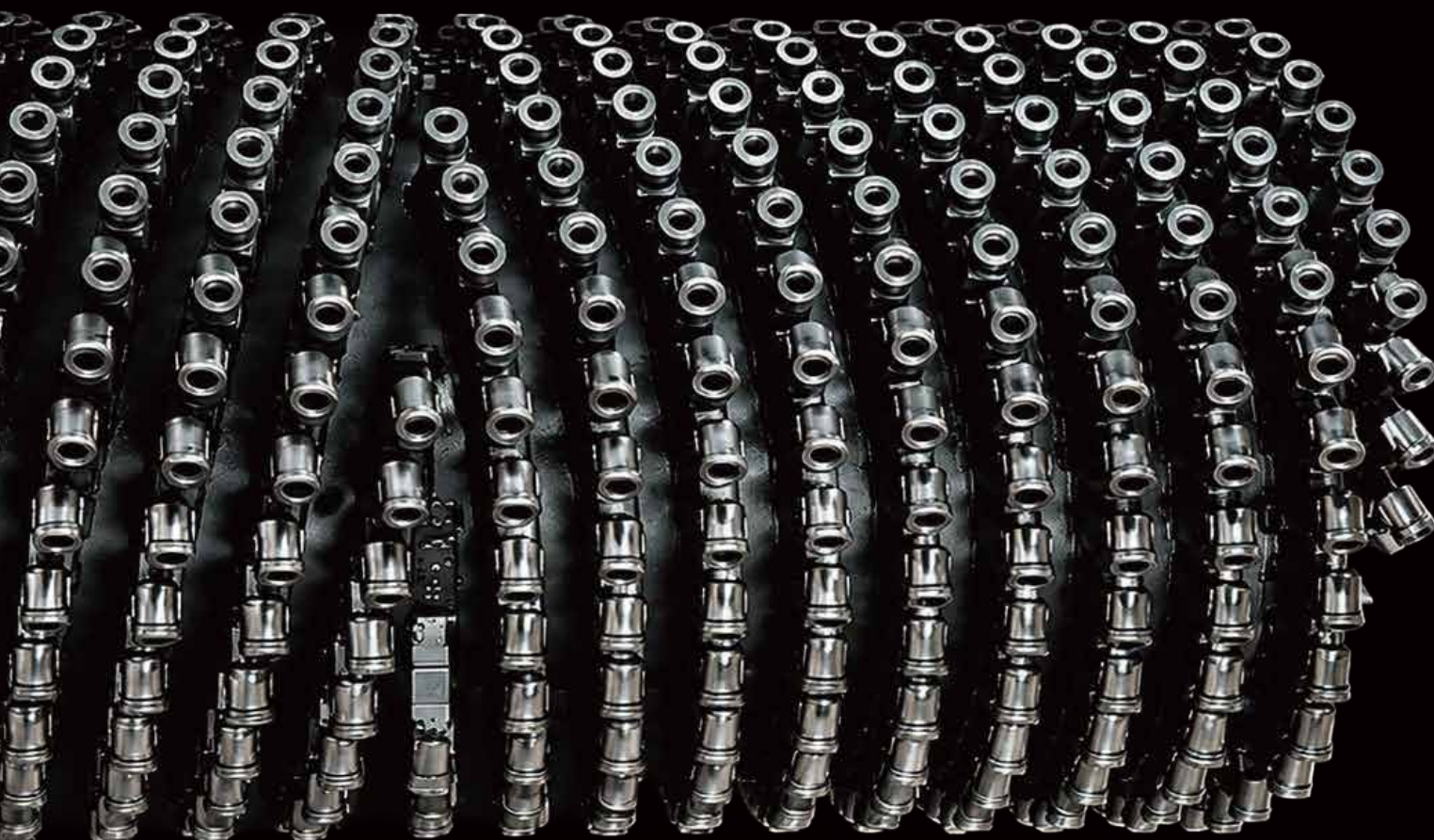
Result

No routine 500-hour
retorquing every
holder

Less bolt-hole
stress

Lower
maintenance cost

More
drum life



PATENTED TH18

MICRO-FINE MILLING DRUM

SMARTER SPACING. SMOOTHER SWAPPING.

Micro-fine milling is judged on the surface it leaves behind: a fine, even texture and a flat profile that is ready for the next lift. That takes hundreds of teeth packed tight on the drum.

Dense spacing is part of the job. Fighting every tooth out should not be. TH18 is a micro-fine milling drum designed to make tooth changes faster and less damaging in dense cutting layouts. By improving rear-side tool access and the removal force path, TH18 helps crews spend less time fighting the tooth and more time milling.

Key Benefits

30-40% FASTER TOOTH CHANGES

More usable rear-side working space makes it easier to position and insert the removal tool during tooth changes.



80% FEWER JAMS DURING TOOTH CHANGES

Better tool access and force alignment reduce side loading that can cause the tooth to bind during removal.



90% LESS BASE DAMAGE DURING TOOTH CHANGES

A cleaner removal path reduces tool interference and lowers the risk of base damage during tooth changes.



CONTRACTOR TAKEAWAY

Less time fighting teeth. Fewer stuck teeth. Less damage during removal. More time milling.

“ Changing Teeth on a Micro-Fine Drum Shouldn’t Be a Fight.”

Micro-fine milling needs dense tooth spacing. That part is not the problem. The problem starts when the layout leaves too little working room behind the holder.

Limited rear-side access creates two problems:
The removal tool is harder to position.
The tool goes in at a forced angle.

Traditional Micro-Fine Designs Leave Too Little Working Room for Tooth Removal

The restricted space forces the tool to enter at a steeper angle.
The striking force moves farther away from the tooth’s intended ejection direction.
More force goes sideways.
The tooth is more likely to bind. Tool interference increases.
Internal base damage becomes more likely.

The problem is a removal path that leaves no room to swing the tool.

Tooth-Removal Problem Pattern

01



LIMITED TOOL-ENTRY SPACE

02



DIFFICULT ANGLE

03



JAM RISK

04



**BASE
DAMAGE RISK**

MORE TOOL ROOM. BETTER REMOVAL ANGLE. FASTER TOOTH REPLACEMENT.

TH18 Solution

In dense traditional micro-fine layouts, limited rear-side working space makes it difficult to line up the removal tool with the removal hole. The tool also ends up out of line with the ejection direction, so teeth jam often and the base gets damaged.

TH18 redesigns the rear-side access area to give crews more usable working space behind the holder.

OPEN-SIDE REMOVAL HOLE



40% MORE TOOL-ENTRY SPACE

Easier to position the removal tool and place it into the removal hole. Less searching for the opening. Less fighting the surrounding holders.

OPTIMIZED TOOL-ENTRY ANGLE



MORE FORCE WHERE THE TOOTH NEEDS IT

The added clearance allows TH18 to use a straighter removal-tool angle. This keeps the striking direction closer to the tooth-ejection direction, so more of each strike works toward pushing the tooth out.

TH18 changes the micro-fine tooth change conversation:

Not more fighting the tooth.
More room. Better angle.



40% MORE
TOOL-ENTRY SPACE

Result

40% more tool-entry space	Better removal angle	30-40% faster tooth changes	80% fewer jams. 90% less base damage
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PATENTED TH24

MICRO-FINE MILLING DRUM

OUR NEWEST INVENTION. THE HOLDER YOU CAN FINALLY REPLACE.

On a traditional micro-fine drum, the tool holder is one of the main problems. There is no quick-change system. When a holder wears out, the only way to get it off is to cut it off and weld a new one on, position by position, across hundreds of holders.

Most crews don't. They run the drum until the worn holders end its life. TH24 makes the holder a replaceable part. When it reaches its wear limit, you swap the holder and keep the drum body working.

Key Benefits

UP TO 8× DESIGNED SERVICE LIFE

Designed for one original holder set plus up to seven holder replacement cycles, supporting up to 24,000 designed service hours.



55% LOWER DRUM MATERIAL COST

Replacing holder sets instead of complete drums can reduce drum material cost by approximately 55% across eight designed working cycles.



UP TO 60% FASTER TOOTH CHANGES

Tri-Channel Bit Ejection gives crews more usable removal paths when teeth are difficult to remove.



NO ROUTINE HOLDER RETORQUING

Patented left- and right-hand thread directions work with normal tooth rotation to help keep the holder tight during operation.

“ Quick-Change Micro-Fine Drums Are No Longer a Dream.

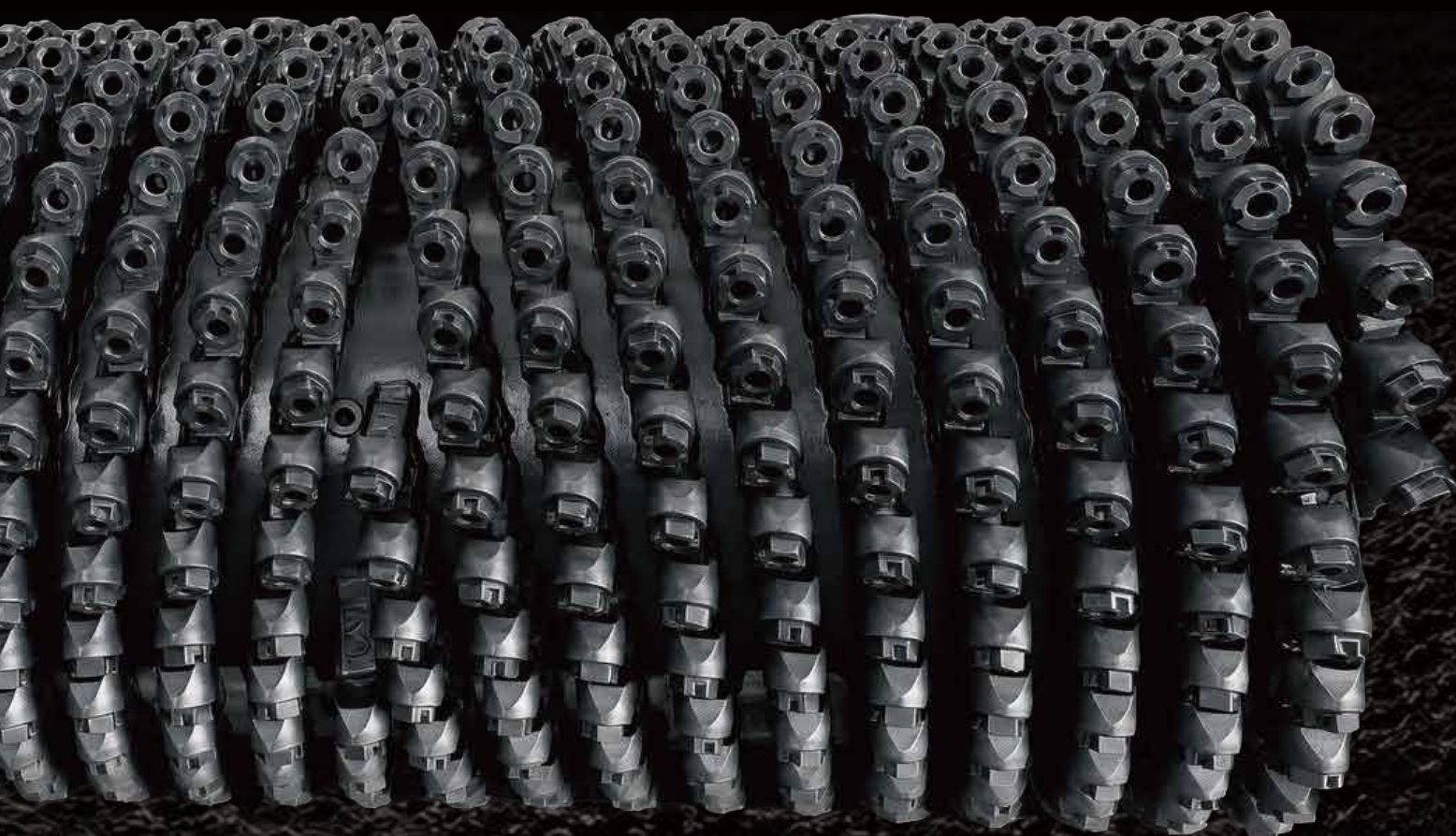
Micro-fine drums use hundreds of densely packed cutting positions.

But the entire drum does not wear out at the same time.

In many cases, the holder bore reaches its wear limit while the drum body still has working life left.

That should not automatically mean replacing the complete drum.

The real opportunity is simple:
make the replaceable holder.



Why Replaceable Holders Were Difficult to Apply to Micro-Fine Milling



ALMOST NO ROOM FOR A REPLACEABLE SYSTEM

Micro-fine drums pack hundreds of holders into a very dense cutting layout. A replaceable system has to fit inside that limited space without changing the required tooth position.



HOLDER REPLACEMENT MUST BE FAST

A micro-fine drum may carry up to 672 holders. If each replacement takes too long, changing a full holder set becomes another major maintenance job.



HOLDERS MUST STAY TIGHT

A replaceable holder still has to stay locked under continuous cutting impact. Frequent loosening or retorquing would defeat the purpose of a quick-change system.

WORLD'S FIRST QUICK-CHANGE SYSTEM FOR MICRO-FINE MILLING.*

TH24 Solution

TH24 brings a replaceable holder system to micro-fine milling. The tool holder stays fixed and holds the cutting position. The holder becomes the replaceable wear part. The system is built to fit dense micro-fine layouts, replace quickly, and stay tight under normal operation.

QUICK-CHANGE HOLDER SYSTEM

ULTRA-COMPACT HOLDER

The holder is kept as compact as possible to make the most of the limited space between cutting positions. This allows the replaceable system to fit inside the dense layout required for micro-fine milling.

THREADED QUICK-CHANGE HOLDER

The replaceable holder threads directly into the fixed tool holder. When replacement is needed, crews simply remove the worn holder and install a new one without cutting or rewelding the tool holder.

ROTATION-MATCHED THREAD DIRECTION

The thread direction on each side of the drum follows the normal force and rotation direction of the tooth. During operation, cutting force works in the tightening direction instead of backing the holder out.

Tri-Channel Tooth Ejection

TH24 also improves tooth removal with three available ejection paths. The tooth can be pushed out from the front. If the tooth is stuck, crews still have rear-side access, with the same extra working room and better striking angle as TH18.



Result

Up to 8× designed service life	Up to 60% Faster Tooth Changes	Fast Holder Replacement	Low Maintenance Cost
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*First quick-change holder system for micro-fine milling drums with 6×1 and 6×2 tooth spacing, based on EVERPADS' global market survey as of May 2026.

INNOVATION ABOVE. PRECISION UNDERNEATH.

Why Precision Matters

A premium milling drum has to protect cutting performance, drum stability, and long-term maintenance value.

Innovation creates the advantage.

Consistent production keeps it reliable.

We build each drum around the precision needed for real milling performance:

- Precise welding angle.
- Correct tool holder alignment.
- Controlled spacing.
- Stable base support.
- Accurate holder fit.
- Consistent holder bore precision.

Welding Angle Accuracy

The welding angle determines how each tooth contacts the road surface. If the angle is not precise and consistent, the drum can create uneven milling results, faster tooth wear, lower cutting efficiency, and unstable material removal.

Holder Bore / Holder Fit Accuracy

For TH24, the threaded holder must return accurately into position.

The holder bore must be produced with precision.

Replacement efficiency should not come at the cost of micro-fine milling quality.

Tool Holder Alignment & Spacing

Tool holder alignment affects cutting pattern, surface texture, and material removal flow.

A premium drum has to get two things right:

The layout design.

And the accuracy it's built to.

EVERPADS Production Control

CNC Precision Shaping controls tool holder geometry, holder thread fit, and holder bore accuracy.

3D Robotic Pre-Welding controls tool holder position and welding angle before final welding begins.

Production experience and 3D positioning accuracy support correct alignment, spacing, cutting pattern, and material removal flow.

For high-precision surface needs, we can also produce tooth spacing as fine as 3 mm for micro-fine milling applications.

Built as a Complete Drum System.

A premium milling drum has to do more than place each base correctly.
It has to keep the base stable.
Run smooth.
Fit the machine right.
And work as a complete system once it hits the job.

Base Angle Stability & Drum Structure

Six-layer hardfacing builds stronger support around the base area, helping resist impact that could knock the base angle out of position.
24-hour stress-relief annealing supports drum structural stability and helps reduce deformation risk after welding.

Rotation Stability

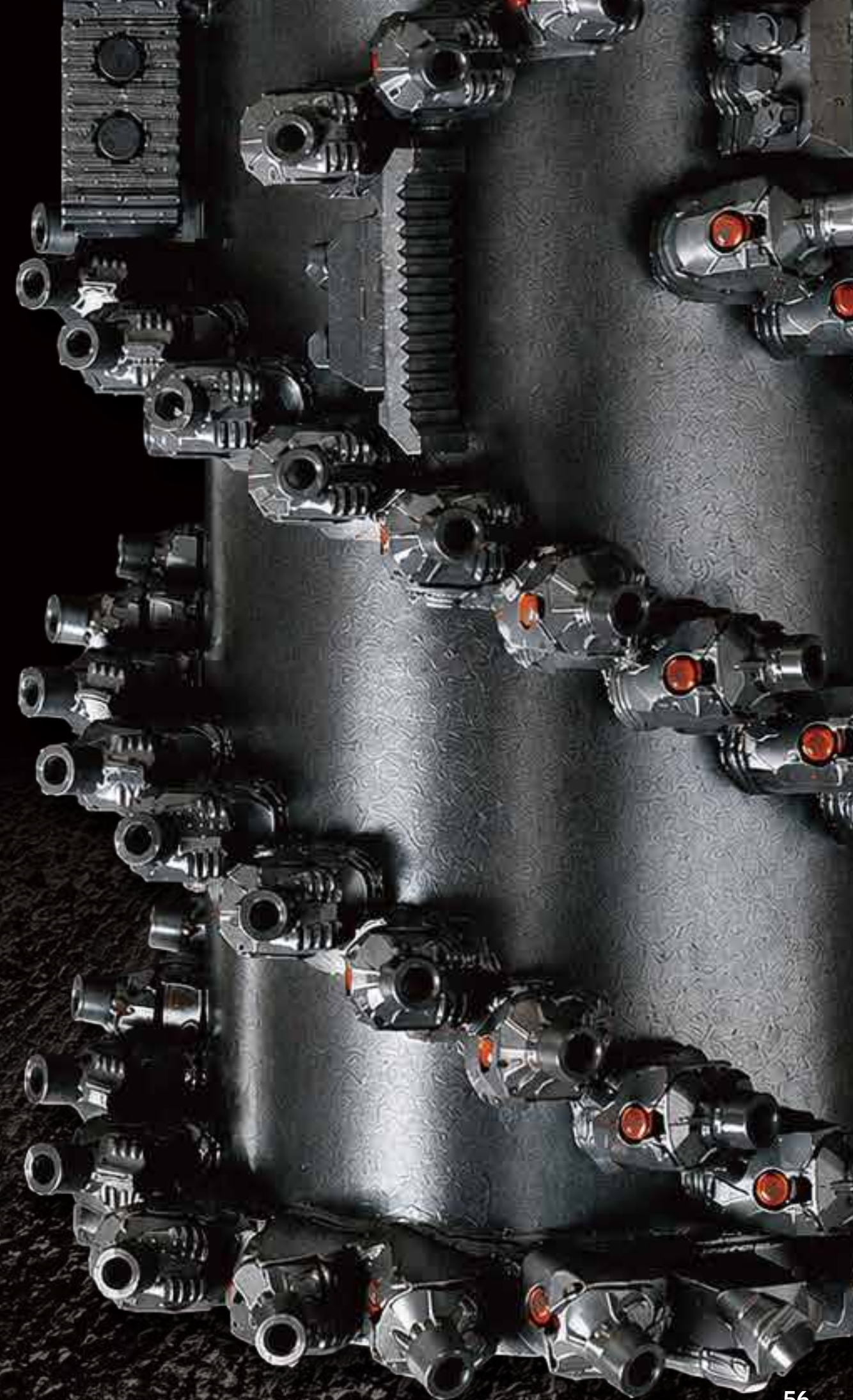
Every drum we ship goes through Dynamic Balance Testing.
This helps reduce vibration risk, support smoother rotation, and protect both the drum and the machine.

Machine-Specific Fitment

Before order confirmation and production, we verify machine model, serial number when required, installation dimensions, drum requirements, holder setup, and application needs.
This helps make sure the drum is built for the actual machine.
Not just the catalog model.

EVERPADS Milling Drums

Patented drum approach.
Precision production.
Built for the job.





TH12N MILLING DRUM

BEYOND ROUTINE. BRAND-NEW LOGIC.

WORLD'S LEADING SPARE PARTS MANUFACTURER

APAC

EVERPADS CO., LTD.

Tel: + 886 4 2358 2531/2000
Fax: + 886 4 2358 9090

Add: No.83,32nd Road,Taichung
Industrial Park,Taichung,
40768,Taiwan ROC

Email: apac@everpads.com

North America

EVERPADS INC.

Tel: + 1 215 420 7086 (toll free)
Fax: + 1 888 928 7237 (toll free)

Add: 320 Constance Dr,Suite 5
Warminster, PA 18974

Email: america@everpads.com

Netherland

EVERPADS B.V.

Tel: + 31 10 415 7820
Fax: + 31 10 415 6414

Add: Calandstraat 81,
3125BA,Schiedam,
the Netherlands

Email: everpads.bv@everpads.com