

7 Reasons Why

Tungaloy-NTK Thailand

Your Go-To Production Center
for Tailor-Made Solutions



1 Comprehensive Product Capabilities

Wide range of cutting tool solutions manufactured locally, including solid tools, inserts, unique geometries, and successful feedbacks across industries.

Diameters from Ø1 mm up to Ø450 mm / Lengths up to 2000 mm / Complex profiles and L/D ratios supported

Solid Carbide Tools

Drills, Reamers, Endmills, Burnishing Tools, Formbites, Hollow mills, Boring Tools, Solid Cutters, Chamfer/Back Chamfer Tools.

Brazed Tools

Formbites, Cutters, Hollow Mills, Braze Drills, Braze Endmills, Boring Bites

PCD Tools

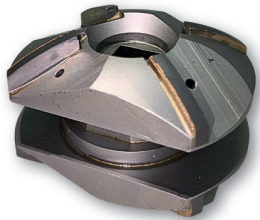
Drills, Burnishing Tools, Reamers, Slot Cutters, Inserts

Gun Drills/ Reamers

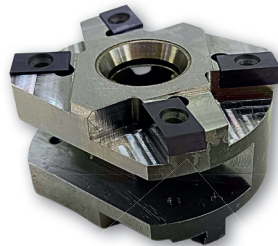
Solid/Brazed Gundrills, Indexable Gundrills, Solid/ Brazed Gun Reamers, PCD Gun Reamers, BTA Tools

Indexable Tools

Milling, Grooving, Indexable Drills, Combination Boring Tools.



Brazed Carbide Sphere Cutter



Inserted Double Face Counter Bore Cutter



Solid Gun Drill



Cartridge Boring



Indexable Step Drill



PCD Combination Tool



Step Burnishing Drill



Gun Reamer

2 State-of-the-Art Production Center with Proven Capacity

Our production center in Amata City (Chonburi) is equipped with the latest technology and engineered by skilled experts to deliver high-quality tooling solutions.

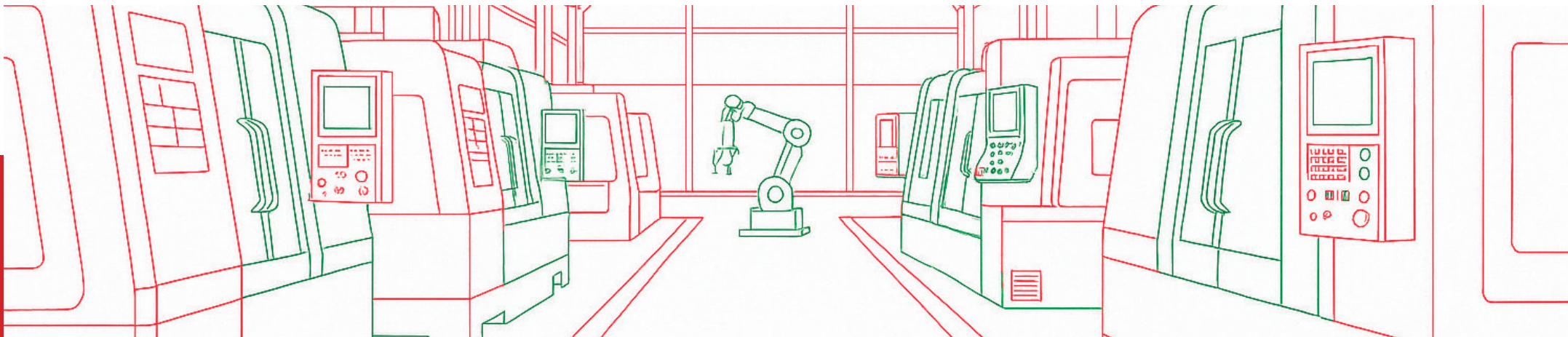
30+ CNC machines

15+ Measurement machines (including CMMs)

70+ Engineers & Technicians

90,000+ units/year production capacity

1000+ custom drawings generated/year



3 Reliable Quality Assurance Systems

Multi-stage inspection process to ensure compliance with IMC group quality standards and customer expectations.

Our experienced design team ensures fast digital approvals, while high-precision machining and CMM inspection guarantee accuracies of $\pm 1 \mu\text{m}$. Backed by high-precision room (with tight control on temperature and humidity), automation and Matrix inventory control, we deliver fast, smart and reliable unique solutions.



4 If You Can Sketch It, We Can Make It – EDM-Based Customization

Our in-house EDM process enables producing unique geometries and complex shapes.

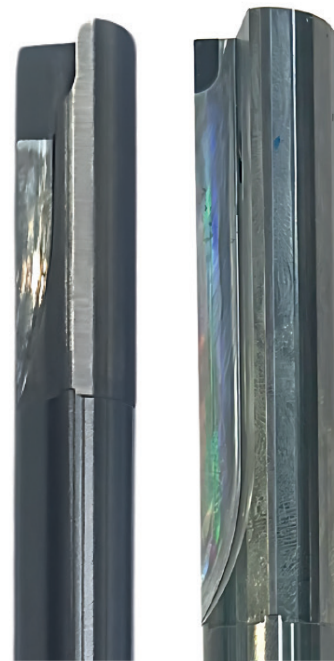
At Tungaloy-NTK Thailand, we keep a wide range of standard blanks in various diameters and sizes in stock, ready to be transformed through our in-house wirecut EDM (Electrical Discharge Machining) process into fully customized tools.

By using dedicated shapes and models, we can create complex geometries and special profiles based on specific requirements or unique applications.

Whether it's a one-off design or a recurring special, EDM gives us the flexibility to adapt quickly and deliver precision, even for the most demanding shapes.



PCD Step Burnishing

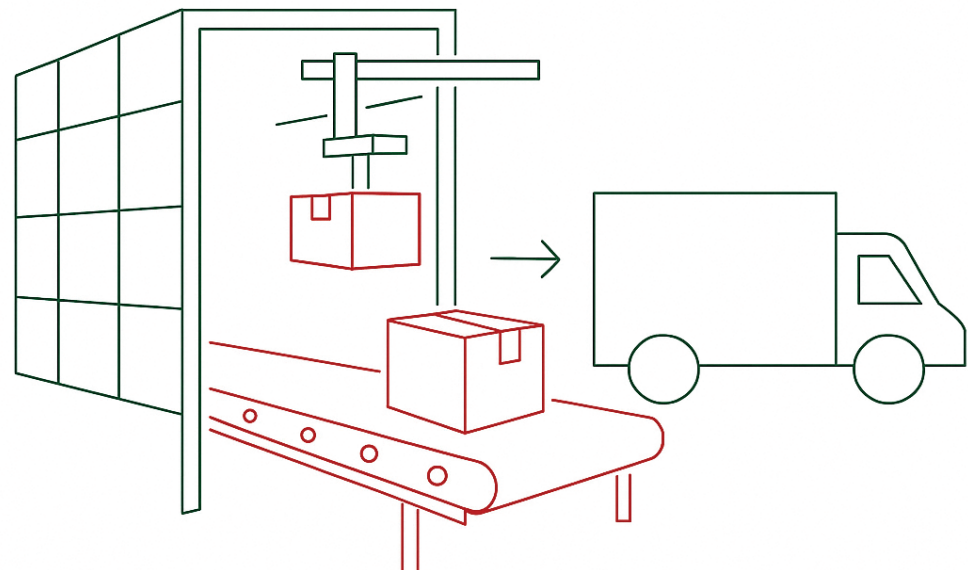


PCD Reamers

5 Transparent & Traceable Production Process

Full production cycle — from RFQ to delivery — traceable and monitored through the GAL system.

Our process ensures speed and accuracy at every step: from RFQ and fast digital drawing approval, to CNC production, high-precision inspection, and on-time delivery, all tracked and managed through our GAL system.



6 Experienced & Skilled Team

Local team of expert designers, engineers, and technicians with 10+ years of know-how in tooling design and manufacturing.

"Our team combines deep engineering expertise with diverse talent, including skilled female technicians in key roles."



7 Certified Excellence

Certified Excellence – ISO 9001 / ISO 14001 / ISO 45001

Tungaloy-NTK Thailand operates under a certified management system covering ISO 9001:2015 for quality in the design, development, and manufacturing of cutting tools, ISO 14001:2015 for environmental management and sustainability practices, and ISO 45001:2018 for occupational health and safety. These certifications reflect our commitment to international standards, continuous improvement, and a safe, responsible manufacturing environment.



CERTIFICATE

Management system as per
ISO 9001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021:2015, that the organization

Tungaloy-NTK Cutting Tool (Thailand) Co., Ltd.
700/177 Moo 1, Tambol Bankao, Amphur Phanthong,
Chonburi 20160,
Thailand



operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Design, Development and Manufacturing of Cutting Tools, Gun Drills, Gun Reamers, Drills, Step Drills, End Mills, Reamers, Burnishings and PCDs Tool

Certificate Registration No. 04 100 001453
Audit Report No. SEATH-G1754/2023

End of validity of previous certificate 2023-11-24
Valid from 2023-11-27
Valid until 2026-11-24
Initial Certification 2020

Sasoluk
Certification Body
at TÜV NORD CERT GmbH

TÜV NORD CERT GmbH Am TÜV 1 45307 Essen www.tuev-nord-cert.com



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CERTIFICATE

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Scope

Design, Development and Manufacturing of Cutting Tools, Gun Drills, Gun Reamers, Drills, Step Drills, End Mills, Reamers, Burnishings and PCDs Tool

Certificate Registration No. 44 104 14 80 0046
Audit Report No. SEATH-E1754/2023

End of validity of previous certificate 2023-11-24
Valid from 2023-11-27
Valid until 2026-11-24
Initial Certification 2014

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Certification Body
at TÜV NORD CERT GmbH

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CERTIFICATE

Management system as per
ISO 45001 : 2018

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700/177 Moo 1, Tambol Bankao, Amphur Phanthong,
Chonburi 20160,
Thailand



operates a management system in accordance with the requirements of ISO 45001 : 2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Design, Development and Manufacturing of Cutting Tools, Gun Drills, Gun Reamers, Drills, Step Drills, End Mills, Reamers, Burnishings and PCDs Tool

Certificate Registration No. 44 126 23 80 0049
Audit Report No. SEATH-S1754/2023

Valid from 2023-11-27
Valid until 2026-11-26
Initial Certification 2023

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Your Trusted Partner for Special Tool Manufacturing

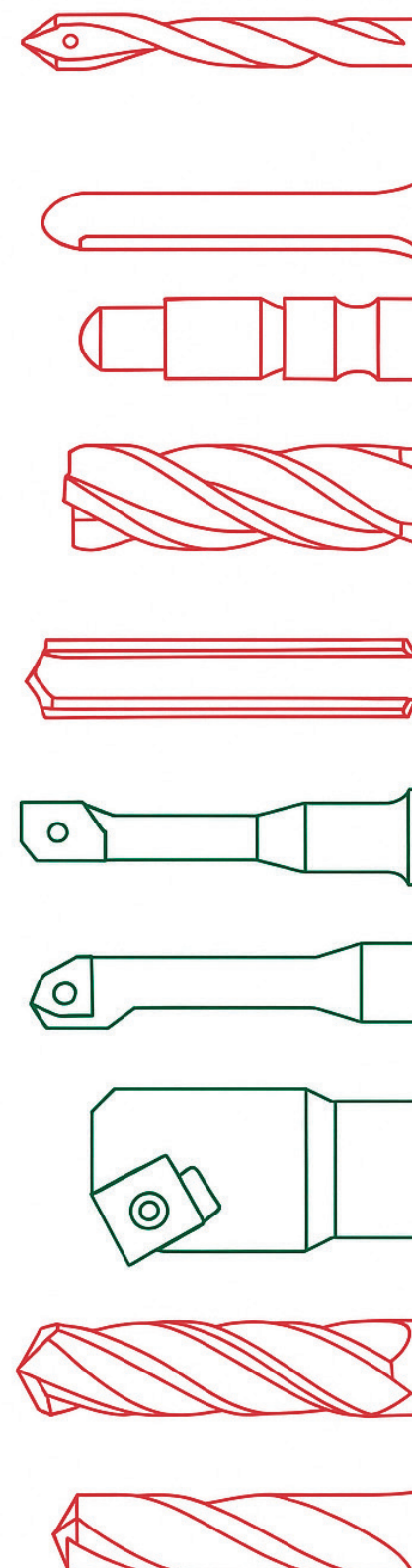
With proven capacity, advanced facilities, and a skilled team, Tungaloy-NTK Thailand delivers fast, flexible, and precise special tooling solutions, all backed by the highest quality standards.

Appendix - Product Types and Dimensions

Solid Tools

Item Descriptions	Minimum (mm)		Maximum (mm)		L/D
	Dia.	Tool Length	Dia.	Tool Length	
Brazed Cutter	10	50	200	250	N/A
Brazed Slot Cutter (Hamburger Shape)	10	50	150	250	N/A
Gun Drill (Brazed)	3	100	30	2000	200
Gun Drill (SC)	3	100	5	400	40
Gun Reamer (SC or Pipe)	4	50	10	250	100
PCD Reamer (SC or Brazed)	5	50	32	250	100
PCD Step Burnishing (SC or Brazed)	5	50	100	250	3-8
SC Drill	3	50	32	250	3-20
SC Endmill (Ball / Taper / Dovetail)	3	50	32	250	N/A
SC Reamer	3	50	32	250	100
SC Slot Cutter (T-Slot)	3	50	32	250	200
SC Step Burnishing Reamer	1	50	32	250	3-8
Step Drill (SC or Brazed)	0.8	50	32	250	3-20
Grooving Form Bite (PCD)	3	30	32	250	N/A
Grooving Form Bite (SC or Brazed)	3	30	32	250	N/A

SC: Solid Carbide



Appendix - Product Types and Dimensions

Indexable Tools

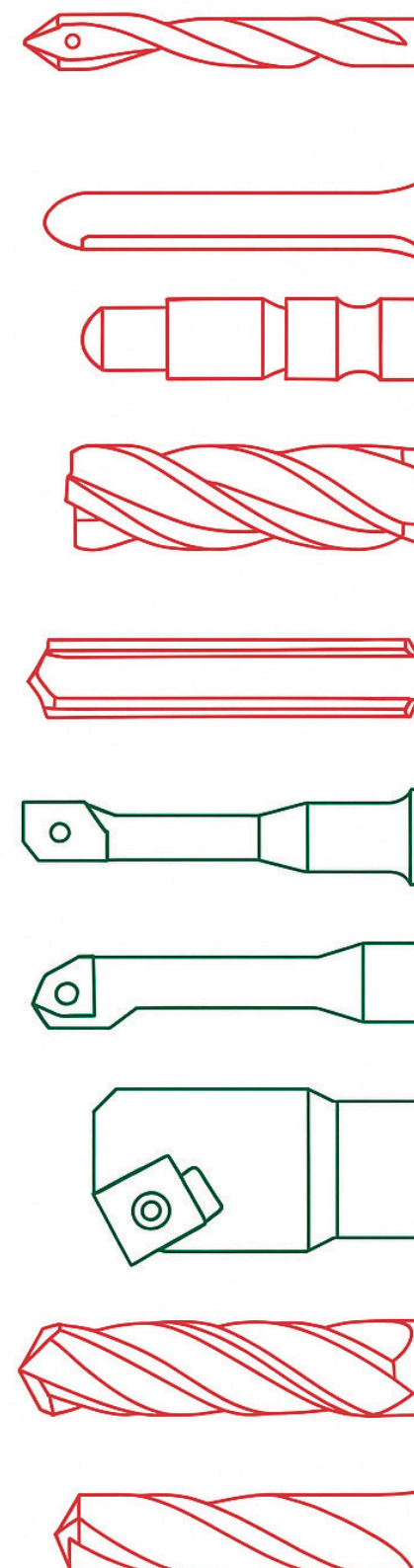
Arbor type	Minimum (mm)		Maximum (mm)		Weight (kg)
	Dia.	Length	Dia.	Length	
Rectangle shank	120x120		350x350	200	10
Round shank	50		350	200	10
Arbor HSK50	10	40	350	150	50
Arbor HSK63	10	60	350	200	100
Arbor HSK100	10	60	350	200	100
Arbor Taper 30	10	40	350	150	50
Arbor Taper 40	10	40	350	150	50
Arbor Taper 50	10	60	350	200	100
Arbor TurnCap C3	10	60	350	200	50
Arbor TurnCap C4	10	60	350	200	100
Arbor TurnCap C6	10	60	350	200	100
Arbor TurnCap C8	10	60	350	200	100
Arbor HS 63	10	60	350	200	100

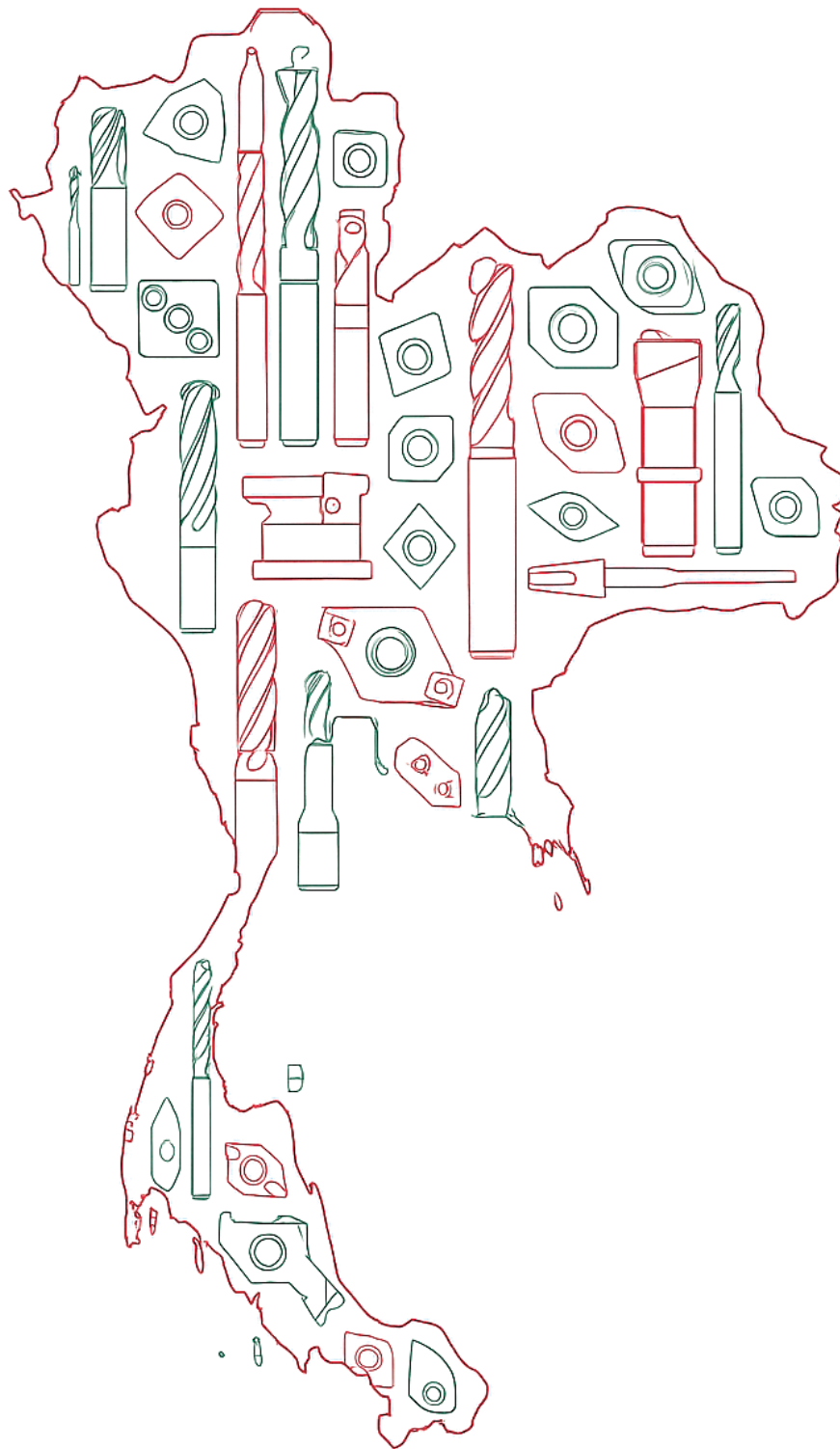
*Other arbor we can provide but need volume and leadtime

*Special shape and special size can design follow maximum machine spec.

*Maximum size for Machining machine 630x400x420 mm (X,Y,Z)

*Maximum size for Turnmill machine D500 x 629 mm. (Shank 250 mm)





With over 28 years of local manufacturing in Thailand and backed by Tungaloy's global heritage since 1929, Tungaloy-NTK Thailand offers full in-house production for special tools, from solid carbide drills to complex PCD and insert solutions.

All under IMC's global quality standards.

Tungaloy-NTK Cutting Tools (Thailand) Co.,Ltd.

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