

KHT Engineering Tools Sdn. Bhd.

(Reg.No. 341966-T/ 199501012764)

Executive Summary

- Sonic Precision Engineering Sdn Bhd was registered in 1995 as a private limited company. However, later the name was changed to KHT Engineering Tools Sdn Bhd on March 2011.
- Its nature of business includes:
 - Design, automation, fabrication, commissioning and testing of machines/equipment and other related engineering services.
 - Advanced Precision tools manufacturing
 - Polycrystalline Diamond (PCD)
 - Polycrystalline Cubic Boron Nitride (PCBN)
 - Research & development
 - Specialized in Photonics Parts

Company Overview

- Total Employees : 10
- Principal Address : No 6, Solok Sungai Pinang 4
11600, George Town
Penang, Malaysia
- Contact Number : +604-280 5444
+604-280 4333
- Website : www.khtengineering.com
- Email : ysooi@khtengineering.com
wkooi@khtengineering.com

Contact Persons

Mr. YS Ooi

Managing Director

Mobile: +6016 416 6121

Email: ysooi@khtengineering.com

Mr. Gabriele Ooi

General Manager

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Sales & Marketing

Mobile: +6012 488 3263

Email: bmchong@yahoo.com

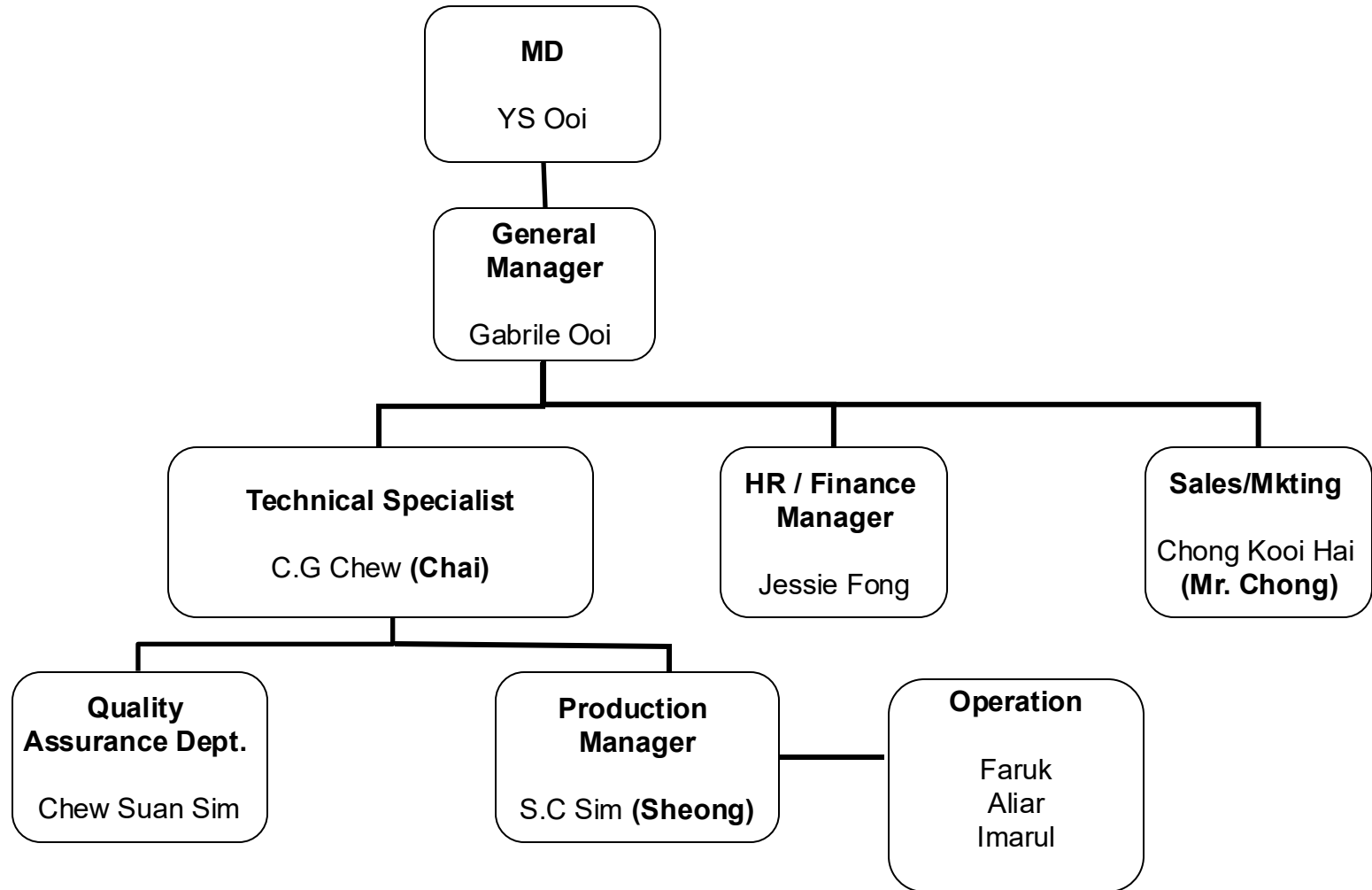
Mr. Chew Cheng Ghee (Chai)

Technical Support Specialist

Mobile: +6016 415 7681

Email: ccchew@khtengineering.com

KHT ENGINEERING TOOLS SDN BHD Organization Chart





Company Vision

Building KHT Engineering Tools Sdn Bhd

to be the

**world Class preferred precision parts
manufacturer and Supplier-Of-Choice**

through

Continual Improvement and Innovations

Company Objectives

❑ Customer

To provide products or services with the highest quality or added value to our customer to achieve Supplier-Of-Choice

❑ People

To share with our people the company's successes which they make possible; To Encourage active participation of every employee in our continuous improvement programs; To recognize individual and group achievements.

❑ Training and Development

To equip and continuously upgrade our people with the necessary skills and knowledge to pursue for excellence and meet our changing customer needs

❑ Growth

To grow the business that build upon our strength and technology

❑ Environment

To create a safe and pleasant work environment

❑ Profit

To achieve sufficient profit to finance the company growth and provide the necessary resources we need to achieve the above objectives



Company Culture

- ❑ Total Customer Satisfaction is our #1 priority
- ❑ We emphasize Customer-Vendor partnership for continuous quality improvement
- ❑ We have respect and trust for individuals and share good practices
- ❑ We achieve our common objectives through team work with optimum flexibility and innovations
- ❑ We pursue for excellence in achievement and contribution
- ❑ We encourage Constructive Confrontation in raising issues or problems
- ❑ We emphasize TQM Concept which encourages active participation of every employee in quality improvement activities



Company Quality Policy

KHT Engineering Tools is fully committed
to provide its Customers with Quality
and Reliable products or services that shall
meet Total Customer
Satisfaction through Continual
Quality Improvement Programs



Quality is our Competitive Advantage

A Customer-Driven Organization

Customer is our No.1 Priority. We tailored to the needs of our Customers

Quality is our Hallmark

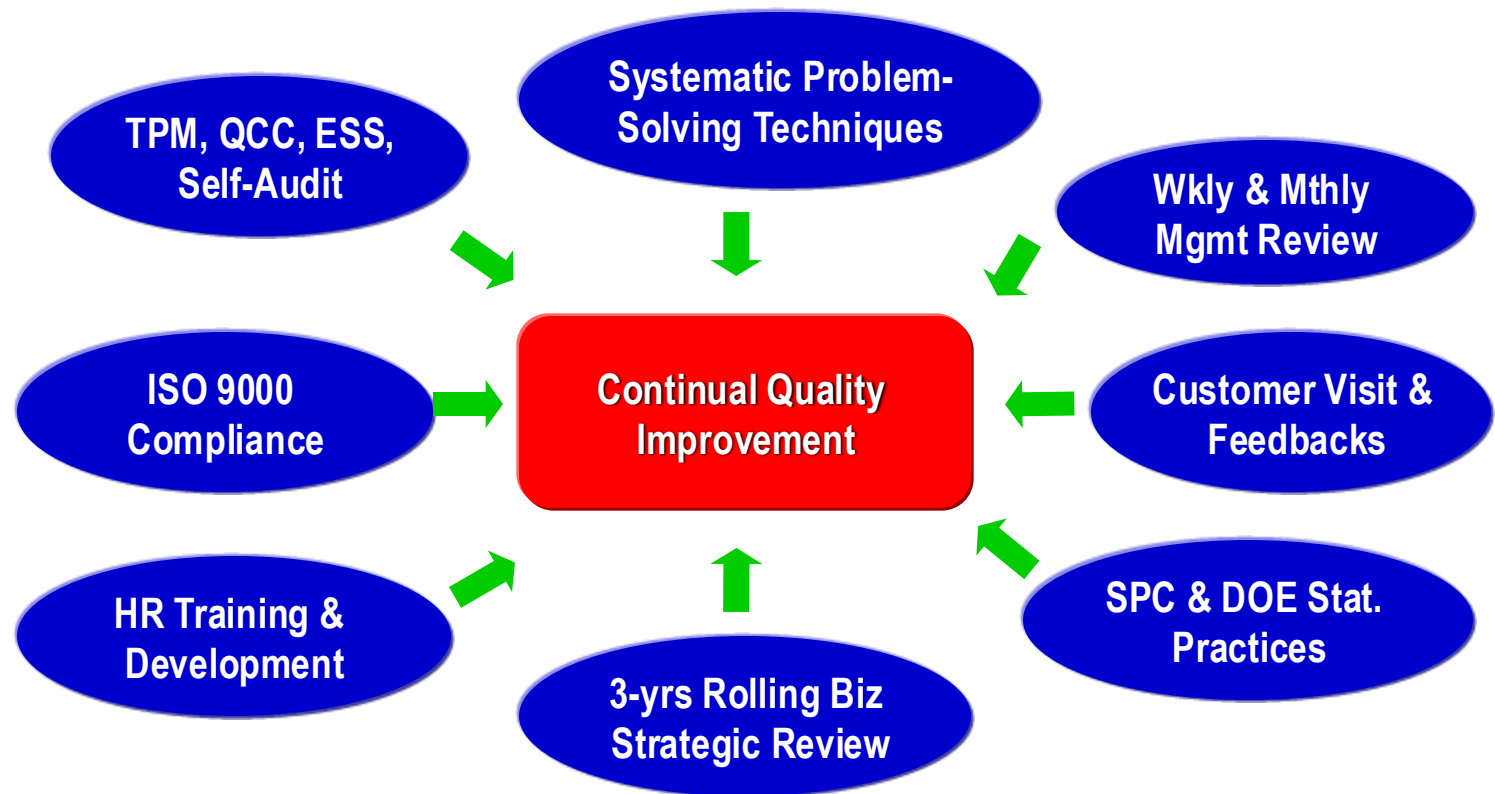
Continuous Quality Improvement is a WAY OF LIFE at KHT Engineering Tools

It is our standard for operating and involves company-wide employee at ALL LEVELS.

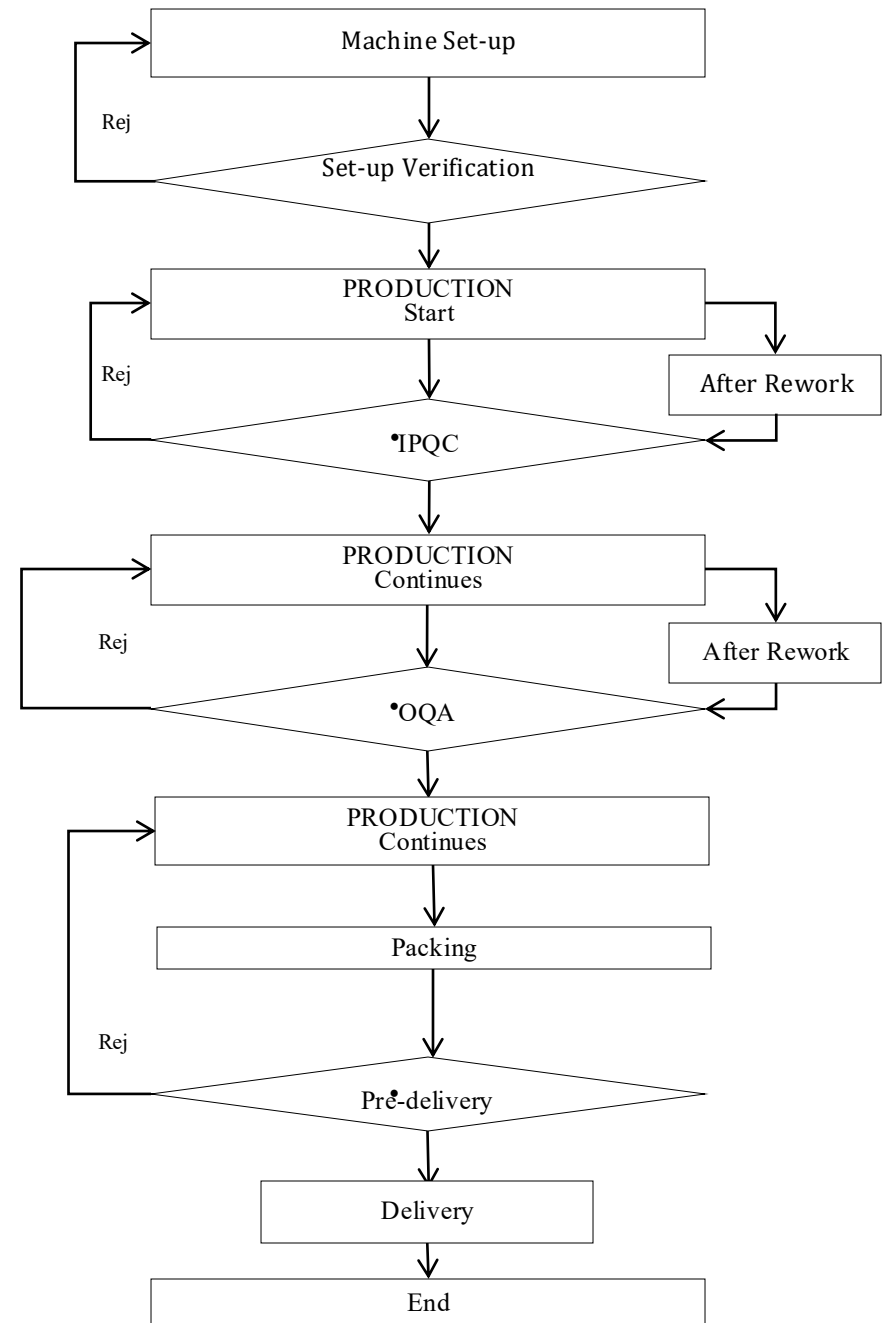
KHT Engineering operates with comprehensive CONTINUAL QUALITY IMPROVEMENT programs which embraces the concept of proactive mode of defect prevention, and a systematic approach in problem-solving techniques.

KHT Engineering Tools commits to WORLD-CLASS quality practices.

Continual Quality Improvement System



KHT Production Process Flow



KHT Engineering Tools Sdn. Bhd.

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Your Gateway To Global Technologies And Innovations

Key Equipment List

Key Equipment List

COMPANY NAME	KHT Engineering Tools Sdn Bhd (Reg.No. 341966-T/ 199501012764)				
COMPANY ADDRESS	No 6, Solok Sungai Pinang 4, George Town ,Penang, Malaysia.				
TELEPHONE	604-280 5444	604-280 4333			
CONTACT PERSON	NAME	DESIGNATION	HAND PHONE NO.	EMAIL ADDRESS	
	Mr YS Ooi	Managing Director	+6016-4199212	ysooi@khtengineering.com	
	Mr Gabriele Ooi	Sales & Marketing Manager	+6017-4665588	wkooi@khtengineering.com	
	Mr. C.G Chew (Chai)	Technical Support	+6016-415 7681	cchew@khtengineering.com	
CNC MILLING	BRAND	TABLE SIZE	MODEL	QTY	TOLERANCE
	Hakusui MT	300 X 480mm	MT	1	+/-15µm
	Kiwa	400X 600mm	AV 1000	1	+/-10µm
	Awea AV 1000	500 X 1000mm	Triper V21iS	1	+/-10µm
CNC TURNING	BRAND	DIAMETER	MODEL	QTY	TOLERANCE
	Turn & Mill - Goodway	Dia. 300mm	G-200MS	1	5 to 10µm
	Auto Lathe- Wasino	Dia 200mm	LG-7	2	10µm
	Auto Lathe- Tsugami	Dia 15.9mm	B012-II	1	5 to 10µm
	Manual Turning - Yang	Dia 200mm	Yang	1	10 to 20µm
	Manual Turning - Wing	Dia 200mm	L-1640	1	10 to 20µm
GRINDING	BRAND	TABLE SIZE	MODEL	QTY	TOLERANCE
	Okamoto	150 X 300	PFG 450 BN	1	2 to 5µm
		150 X 300	PF 350	1	2 to 5µm
	Chevalier	150 X 300	Accugrind	1	2 to 5µm
	Mitsui	200 X 350	MSG-250H1	3	2 to 5µm
	Okamoto- Cylindrical Grinding	Dia 200mm	OGM-8	1	2 to 5µm
GRINDING CUTTING TOOLS DIVISION	Universal Grinding - Ewag	Collet Size Max. 25.4mm	WS11-SP	1	2 to 5µm
	Farman - Universal Tool Grinder	-	FC-160U	1	2 to 5µm
	Farman - PCD & PCBN Tool Grinder	-	FC200-D	2	2 to 5µm
	Farman - PCD & PCBN Tool Grinder	-	FC32-A	1	2 to 5µm
	Walter- Grinding Center	5 axis	Helipower	1	2 to 5µm
MANUAL MILLING	Milling Machine - Eumega MD 4	300 X 850mm	MD 4	6	20µm
	Milling Machine - Jit Fong	300 X 850mm	-	1	20µm
	Milling Machine - Namsum	300 X 850mm	-	1	20µm
OTHER MACHINE	EDM - Hsui Fong	250 X 400mm	ED-252	1	5 to 10µm
	Wire Cut- Fanuc	500 X 500mm	Robocut α-1iC	1	2 to 5µm
	Sand Blast Machine	200 x 300	-	1	-
QA EQUIPMENT	Profile Projector	Mitotoyu – PJA300		1	
		Scherr Tumico		1	
	CMM- Tesa	Tesa-star (Mirco Hite)		1	
	Gauges	Various Go/No Go Pin/Thread/Block Gauges		Comp. Sets	
	Depth Gauge	Mitotoyu		2	
	Caliper	Tesa & Mitutoyo		>10	

Key Equipment



CNC Milling



CNC Turn/Mill



CNC Turn/Mill

Key Equipment



CNC WEDM



EDM

Key Equipment

Universal Grinding



PCD/PCBN Grinding



Surface Grinding



Cylindrical Grinding



Key Equipment



Milling



Tumbling



Sand Blasting

Key Equipment

Walter Heli-power – PCD and Carbide Tools Grinder



Key Equipment

AUTO LATHE

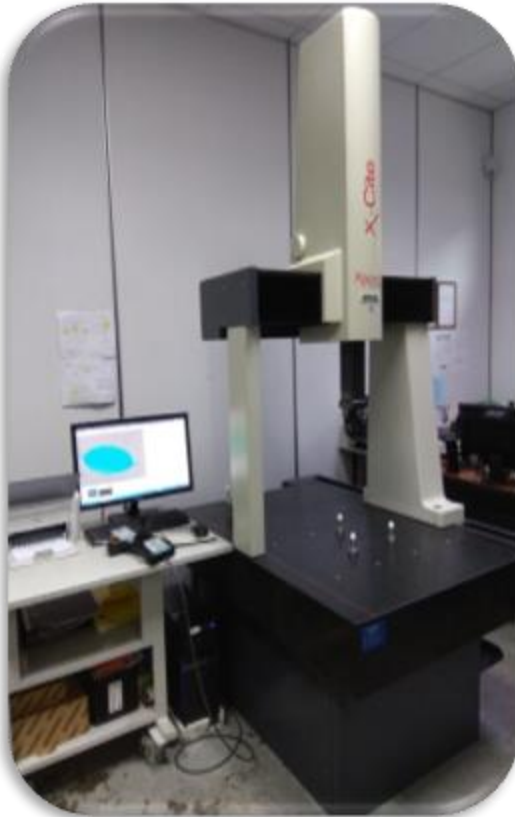


- **CITIZEN**
- **MODEL:** A12
- **SPINDLE SPEED:** 8000rpm
- **ROTARY SPINDLE:** 6000max
- **MAX DIAMETER:** $\phi 12.00\text{mm}$

- **TSUGAMI**
- **MODEL:** S205
- **SPINDLE SPEED:** 12,000rpm
- **ROTARY SPINDLE:** 6000max
- **MAX DIAMETER:** $\phi 20.00\text{mm}$



QUALITY CONTROL EQUIPMENT



- **3D COORDINATE MEASURING MACHINE**
- **MANUFACTURE:** WENZEL
- **MODEL:** XSPECT SOLUTIONS Xcite-DCC585
CNC FULLY AUTO
- **X AXIS:** 500.00mm
- **Y AXIS:** 800.00mm
- **Z AXIS:** 500.00mm
- X MEASUREMENT SIZE: 400.00mm
- Y MEASUREMENT SIZE: 500.00mm
- Z MEASUREMENT SIZE: 400.00mm
- LOAD CAPACITY: 500kg
- MEASURING ACCURACY X: 0.0048mm
- MEASURING ACCURACY Y: 0.0036mm
- MEASURING ACCURACY Z: 0.0036mm

- **VISION MEASURING MACHINE**
- **MANUFACTURE:** OPTIMOS
SINOWON
- **MODEL:** OPTIMOS OP-MSV-432A
- **X AXIS:** 400.00mm
- **Y AXIS:** 300.00mm
- **Z AXIS:** 200.00mm
- X MEASUREMENT SIZE: 400.00mm
- Y MEASUREMENT SIZE: 300.00mm
- Z MEASUREMENT SIZE: 200.00mm
- LOAD CAPACITY: 25kg
- MEASURING ACCURACY X: 0.004mm
- MEASURING ACCURACY Y: 0.004mm
- MEASURING ACCURACY Z: 0.005mm





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Key Products and Services

Products and Services

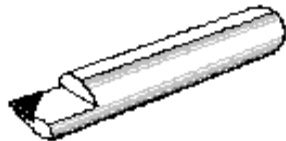
**We manufacture both PCD/PCBN Inserts and brazed.
Form Tools for:**

- ☐ **Turning**
- ☐ **Milling**
- ☐ **Boring**
- ☐ **Grooving and**
- ☐ **Parting**

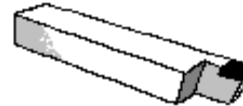
Our Capabilities and Competitive Advantage

- ☐ **Real time technical support**
- ☐ **Accept standard and customized order**
- ☐ **Batch production**
- ☐ **Short delivery lead time**
- ☐ **One-stop solution provider from design to manufacturing**

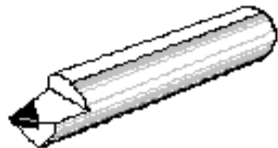
POLYCRYSTALLINE DIAMOND TOOL



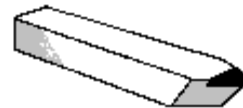
TRG & TRH
ROUND SHANK
BORING BAR



CT
CUTOFF AND
GROOVING TOOL

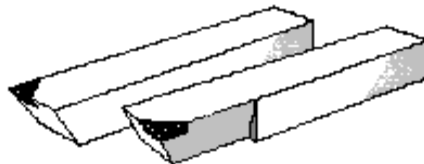


TRC & TRE
ROUND SHANK
BORING BAR



E
60 DEGREE
THREADING TOOL

AR & AL
STRAIGHT TURNING
0-DEGREE LEAD



TPG
TRIANGULAR
NEGATIVE RAKE



TPG
TRIANGULAR
POSITIVE RAKE

POLYCRYSTALLINE DIAMOND TOOL



PC-D
TWIST DRILLS



PC-EM
END MILLS

PC-C
POLYCRYSTALLINE TIPPED
COUNTERSINKS



SPG
SQUARE
POSITIVE RAKE



SNG
SQUARE
NEGATIVE RAKE



VNGA
35 DEGREE
NEGATIVE RAKE



CPG
80 DEGREE
POSITIVE RAKE

Other Services

- ☐ **Machine precision parts design, fabrication and assembly**
- ☐ **Re-sharpening services for cost reduction**
- ☐ **Jig and fixture parts**



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KEY CUSTOMERS LIST & Raw Material Suppliers



Key Customers & Raw Material Suppliers

Top 5 Customers

- Toyota Automation Philippines
- Vishay Israel and Dale
- ATS Canada and Malaysia
- MRSI SYSTEM USA
- Zaber Technologies

Raw Material Suppliers

- KH Industrial Supplies (M) Sdn Bhd
- One Carbide (Northern) Sdn Bhd

KHT Engineering Tools Sdn. Bhd.

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Your Gateway To Global Technologies And Innovations

Managed by a Professional management team

equipped with vast international experience

PEOPLE is our greatest assets