



The best partner  
**For your business**

# HAEAM

A person is paragliding over a mountain range. The paraglider is in the center of the frame, suspended by a red and black canopy. The background is a clear blue sky with a range of mountains visible in the distance. The overall scene is bright and clear.

# THE BEST PARTNER FOR YOUR BUSINESS

Haeam Tech Co., Ltd., specialized manufacturing company specializing in industrial machinery, gearing up for industrial machinery, and gearing up for a bangsan manufacturing facility, promises to steadily reinforce professionals and precision facilities throughout the R&D phase from research and development to mass production.

# KEYWORD



## Reasonable production

Optimized Automation Equipment and Technology and with minimal distribution,  
Build the most affordable system for your needs.



## Profit reinvestment

We do business and reinvest revenue for social purposes.



## Customer satisfaction

With ongoing customer management after the product is shipped from the factory quickly identify needs and drive differentiated customer satisfaction.



## Training of technicians

We will help raise entrepreneurs and clean up the soil where we can be active in all walks of life.

# HISTORY

1995

Haeam industrial  
startup

1997~ 2006

Registration  
by wia company ltd

ISO 9001:2000  
certification

Selected  
as clean business  
by ministry of labor

Registration by  
the enterprise of  
defense procurement  
headquarters

2007~ 2009

Selected  
as parts specialized  
company

Selected  
as INNO-BIZ company

Registration  
by S&T heavy industry

# CERTIFICATION STATUS



Quality management  
system certificate



Clean establishment  
certificate



Certificate of patent  
2012



Certificate of patent  
2013



2010~ 2011

Establishment of a research institute affiliated with the company

Registration of the national defense agency company

ISO / TS 16949 certification

Registration by DOOSAN Infracore Co., Ltd

2012~2014

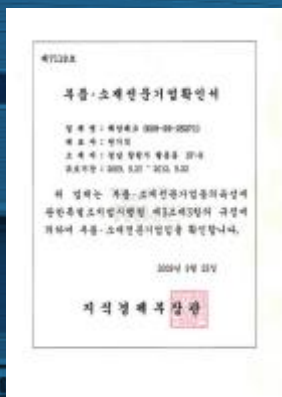
Registration by army logistics command company

Selected as Family Friendly Company

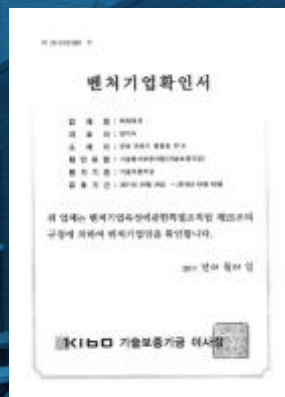
Enactment of haeam Tech Co., Ltd

2017

Transfer to a new factory in cheonseon-dong



Parts specialist corporate confirmation



Venture business confirmation



Research institute certificate



INNO-BIZ certificate

# KLINGELNBERG HÖFLER VIPER 500W



## Detail view



## Specifications

Maximum external diameter	500mm
Minimum external diameter	10mm
Maximum workpiece height	1042mm
Maximum width	500mm
Maximum number of teeth	Unlimited
Pressure angle	Unlimited
Module	0.5~13mm (min~max)
The highest degree	Din 1 rate

# KLINGELNBERG HOFLER HELIX 700KK



## Detail view



## Specifications

Maximum external diameter	700mm
Minimum external diameter	10mm
Maximum workpiece height	1253mm
Maximum width	435mm
Maximum number of teeth	Unlimited
Pressure angle	Unlimited
Maximum tooth height	35mm
Module	0.5~12mm (min~max)
Maximum torsional angle	± 45 degrees
The highest degree	Din 1 rate

# KLINGELBERG P-40



## Detail view



## Specifications

Module	(0.1) 0.5~15mm (min ~ max)
Maximum external diameter	400mm
V Vertical measurement range	550(700)mm
Horizontal Measurement range	±115mm
Distance between centers	50 ~ 800 (1,000) mm
The number of teeth	Unlimited
Pressure angle	Unlimited
Rid angle	0/90 Degree
Test gear weight	300kg



# ZEISS CONTURA



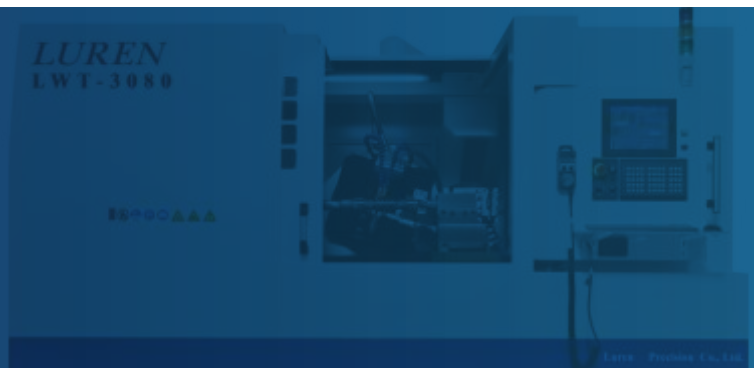
## Detail view



## Specifications

Measurement range	1,000*1,200*600 mm
Length measurement error	1.7+L/350µm
Sensor (head)	VAST XT (Contact active)

# LUREN LFG - 3540



## Detail view



## Specifications

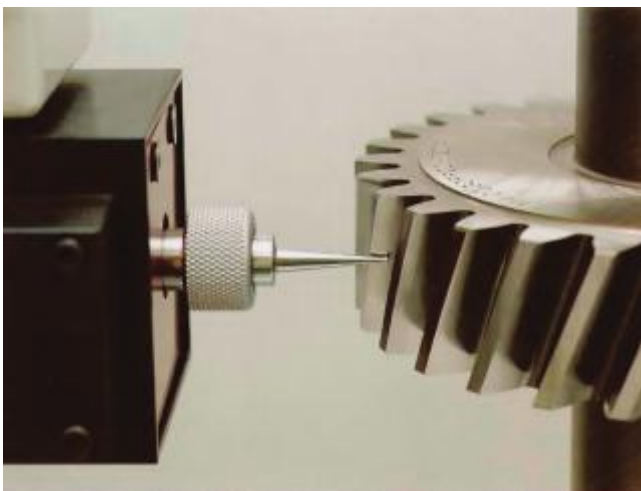
Maximum external diameter	400mm
Minimum external diameter	30mm
Maximum workpiece height	1260mm
Maximum number of teeth	Unlimited
Pressure angle	Unlimited
Module	0.5~8mm (min~max)
Maximum torsional angle	± 45 degrees
The highest degree	JIS 0 rate

# TOKYO TECHNICAL

## TTI-450E



### Detail view



### Specifications

Module	0.5~12mm (min ~ max)
Maximum external diameter	500mm
Length of product	30~800mm
The range of row width	600mm
The number of teeth	Unlimited
Pressure angle	Unlimited
Rid angle	65 Degree
Test gear weight	500kg

# TIC GU-32



## Detail view



## Specifications

Swing on the table	320mm
Distance between centers	Max 500mm
Grinding external diameter	Max 200mm
Center support weight	Max 130kg
Spindle speed	Max 1935rpm
Distance travelled of table (X-axis)	160mm
Distance travelled of table (Z-axis)	1250mm
Installation area	5300 x 2000mm



# TIC GU-35



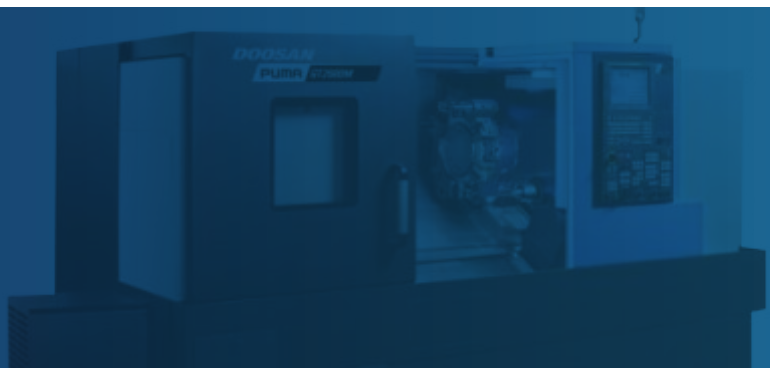
## Detail view



## Specifications

Swing on the table	350mm
Distance between centers	Max 1200mm
Grinding external diameter	Max 270mm
Center support weight	Max 130kg
Spindle speed	Max 2000rpm
Distance travelled of table (X-axis)	Max 265mm
Distance travelled of table (Z-axis)	1350mm
Installation area	5100 x 2100mm

# DOOSAN GT2600



## Detail view



## Specifications

Distance travelled (X*Z)	265 x 680mm
Swing on the bed	630mm
Maximum processing view	460mm
Maximum processing length	658mm
Spindle speed	3500r/min
Maximum number of tool attachments	12ea

# DOOSAN MYNX-650



## Detail view



## Specifications

Distance travelled (X*Z)	1270 x 625mm
Table Size	1400 x 670mm
Allowable load	1000kg
Maximum spindle speed	8000r/min
Tool sank	BT50

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# HAEAM EQUIPMENT



## Main equipment status

Our company has a variety of equipment to specialize in producing power transmission devices such as industrial machinery, air-resistant gears and splines.

### | Shelf / Milling



### | Renial



### | CNC slotter



### | Diving machine



### | Shaffer



### | Electric discharge machine



### | Spliner



### | S/P grinding machine



### | Chamfering







## Haeam equipment list

To cope with customers' needs that are becoming more precise and specialized, we are steadily reinforcing expert personnel and precision facilities in the entire research and development stage from development to mass production.

NO.	Equipment name	Model Name	Production company	Retention count
1	MCT	Fourth stage	WIA	1
2	MCT	NM410	DOOSAN	2
3	CNC	PUMA200	DAEWOO	2
4	CNC	PUMA280	DOOSAN	2
5	Universal lathe	580*2000	WIA	1
6	Universal lathe	400*750	TONG IL	2
7	Raedral	RE-1000A	OSAKA OOYA	1
8	Milling	Second stage of coupler	Hwachoen	2
9	Hobing machine	P400	PFAUTER	1
10	Hobing machine	KR-600	KASHIFUJI	1
11	Hobing machine	JDP-2	jeil-hobbing machine	2
12	Gear milling machine	GS-185	TOKYO KIKAL	1
13	Gear milling machine	305	LAWRENCE	1
14	Gear chaempeoring machine	GTR-E	OKAMOTO	1
15	Gear chaempeoring machine	DC-201	YUTAKA SEMITSU	1
16	Spline	MSP-1B	MOTOKUBO	1
17	Spline	MSP-LB	MOTOKUBO	2
18	CNC key machine	KTM-320NC YS-250NC	YUNIL, KTM	2
19	Electric discharge machine	SERVO III	Jeonggwangsa	1
20	Spline mill	KAPP	KAPP	1
21	Spline mill	SKR8	REFORM	1
22	CNC gear grinder	LFG-3540	LUREN	1
23	CNC gear grinder	PROMAT 400	HOFLER	1
24	CNC gear grinder	HELIX 700KK	HOFLER	1
25	Plane grinder	YGS116A	YUNIL	1
26	Cylindrical grinder	TGUA270	S&T Heavy industry	1
27	Gear test	TTi450E	TOKYO TECH	1

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# HAEAM PRODUCT



## Machine tools purpose

Every gear used for machine tools such as CNC lathes, machining centers and boring machines.



## Defense industry purpose

Various gears used for tanks, armored vehicles, self-propelled artilleries, Vulcan artilleries, automated firing devices, guided weaponry, torpedoes, battleship artilleries, etc.



## Rotary pump purpose

Spur gear & helical gear used for pumps made with oil pumps, fire prevention pumps, nuclear power plants and wind power generation



# HAEAM PROCESS

## - Drawing of drawing

Rapid Prototyping - yangsanpum, dapumjong soryang

## - Drawing sheet

Field Visit Design - Development of bosupum Products

### 01 Design



### 02 Lathe turning



### 03 Chijeol



### 04 Grinding



### 05 Wontong/pyeongmyeon



### 06 Heat treatment



### 07 The counsel for the crown



### 08 Package



※ Process processing can be added and changed depending on the characteristics of the product.



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