

Company Introduction

HQ: CheongCheon Macharo 58, Bupyeong-gu, Incheon, Korea

Tel: 032-552-1302~4 Fax: 032-552-1305

Homepage: www.jeilsolution.com



Company Motto: Accomplish the "Responsibility"



Managerial Objectives



Revolutionary automatic system

Provide the stable quality with finest system



High quality panel

Build the high trust panel texture by radical quality control



Active technical sales support

Support the technical sales adjust the purpose of customer.

Leading company of Tool Holder



Reinforce the personal capability

- Effort to self development of each person
- Reinforce the ability for prepare the new business
- Create the added value based on knowledge and know-how



Content the challenging mind

- Content the knowledge and know-how of change
- Endless challenge for pioneer the new business
- Effort for expansion the area of new business



Cooperation with a close relationship

- Importance the friendship and interest between colleague
- Projection the joint effort for achieve a goal
- Create each group's community and strengthen

Contents

- 1. Company introduction
- 2. History of JEIL Solution
- 3. Organization
- 4. Certificates and Patent Status
- 5. Working process
- 6. Product description
- 7. Retraction & measuring equipment
- 8. Sales technical consultation counter
- 9. Future strategy
- 10. Location

Company Introduction

Name of company

JEIL Solution Co., Ltd

Establishment

June 20th, 1976

President

Jeong Wook, Kim (Mr)

Corporate registration number

122-81-94127

Number of employees

44 Employees except President

Head Quarter

CheongCheon Macharo-58, Bupyeong, Incheon **Factory**

CheongCheon Macharo-58, Bupyeong, Incheon **Branch office**

Chasang ro 150beon gil 53, Uichang gu, Changwon, Kyeong nam

Vietnam Branch

phòng 11. tầng 7. tòa nhà IPC. 1489 Nguyễn Văn Linh. Phường Tân Phong. Q7. Tp HCM Main business

Manufacture the MCT Equipment and Toolholder

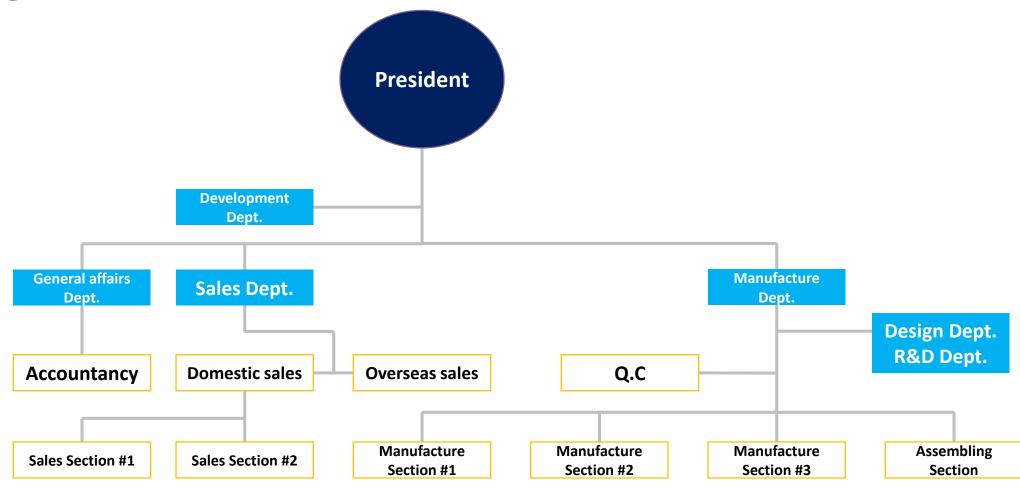
History

1980 ~ 1990

1976. 06.20	Establish the Company with company name of JEIL Machine
1984.	Enter into the toolholder business
1988.	Starting export to overseas market
1989.	Exporting toolholder to European market
1992.	Registered a utility model for Milling Chuck
1997.	Registered a utility model for Hydraulic Chuck Collet
1998.	Exporting toolholder to Germany, Italy, Canada and etc
1999.	Obtain invention patent about Hydraulic Chuck
2000	
2000. 06.	Obtain ISO 9001
2001.	Awarded "Ultra Precision Machining Technology Competition"
	by Ministry of Commerce & Industry
2004. 10.	Awarded "Role Model to Taxpayer"
	by National Tax Service Remove head office and faxtory
2006. 02. 13	Remove head office and faxtory
2007. 01. 01	Swichover the Company name with JEIL Solution co., Ltd
2010. 09. 14	Obtain ISO 14001 : 2004
	Obtain ISO 9001 : 2008
2011. 04. 13	Set up a R&D Center
2011. 11. 14	Obtain a "Certification of Vision Company" by Incheon
	Metropolitan Government
2012. 07. 11	Awarded by Ministry of Knowledge Economy
2014. 11. 01	Developed slim design hydraulic chuck
2016. 10. 21	Establishment of local sales office
2016. 12. 05	Received Export Tower Presidential Award
2018. 11. 28	Obtain invention patent about Hydraulic Chuck for Tool Grinding



Organization



Certificates and Patent Status



▲Certificate of design registration (Milling Collet Chuck)



▲Award of exemplary tax payment



▲Commendation of the President of the Trade Promotion



▲Certificate of utility model registration (Milling Collet Chuck)



▲ISO Certificate



▲Commendation of Trade Promotion Minister ▲MAIN Biz membership card



▲Certificate of utility model registration (Hvdraulic chuck)



▲Trade association membership card





▲ Patent certificate (Hydraulic expansion chuck)



▲ ISO 9001 2015



▲ Management innovation company confirmation letter



▲Commendation of Prime minister



▲ISO 14001 2015



▲Trademark registration certificate



▲ Award of the precision products in technology division



▲Vision Company certificate



▲Prospective Company Certificate



▲Commendation by the National tax service



▲Technological Innovation company



▲ Patented hydraulic chuck for grinding only



Work Process

- Material Selection
- CNC operation
- MCT operation
- Brazing
- Heat treatment
- Coloring
- Chamfering
- 8' V Slot
- Abrasive polishing
- Inner diameter polishing
- Total inspection
- Marking & Rusting
- Packing



Hydraulic Chuck

- Schunk of Germany and the world's leading hydraulic chuck manufacturer
- Optimized for precision machining
- Superb T.I.R. Accuracy ≤0.003mm
- Core Factors of Hydraulic chuck decision
- No leakage
- Stable torque power (Stable holding power for long time)
- Compatible with various tools by using exclusive Collet
- Ø3mm ~ Ø 25mm
- Cutting material and application industry
- Aluminum
- Mold base, Electric / Electronic, Aerospace, Automotive Industry
- Finishing
- End milling, Reaming, Tool grinding, Fine Drilling, Chamfering





Shrink Fit Chuck

- Shrinkage using the thermal expansion coefficient of the material itself (Shrinking)
- Material: SKD 61(JIS Standard)
- Realization of precision machining
- Superb T.I.R. Accuracy ≤ 0.003mm
- · Realization of high speed machining
- G 2.5 25,000 RPM
- Tool length extension with Extension sleeve
- Up to 300mm
- Finish grinding / roughing / heavy cutting with powerful gripping force
- Cutting material and application industry
- Aluminum
- Mold base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing, heavy cutting and finishing
- End Milling, Reaming, Drilling, Chamfering, Tool Grinding



JSK Collet Chuck

- Suitable for deep hole processing(No workpiece interference by nuts)
- Realization of high speed machining
- **G2.5 20,000 RPM**
- Collet inner diameter 8 ° design
- Tool Extend length to be gripped after inserting into inner diameter part -> Gripping power increase
- Compatible with various tools by using exclusive Collet
- Ø3mm ~ Ø 25mm
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing, heavy cutting and finishing
- End Milling, Reaming, Drilling, Chamfering





ER Collet Chuck

- Suitable for high speed drilling and cutting
- Realization of high speed machining
- **G2.5 25,000 RPM**
- Compatible with various tools by using exclusive Collet
- Ø3mm ~ Ø 25mm
- Tap processing is realized by using only Tap collet
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing, heavy cutting and finishing
- End Milling, Reaming, Drilling, Chamfering, Tapping



Milling Chuck

- Strong gripping force
- C32 Size: 3,430 Nm(=350Kgf.m)
- T.I.R. Accuracy < 0.01mm at 100mm from nose
- Adoption of 300 Needle bearing
- Deliver uniform gripping force inside the chuck
- Compatible with various tools by using exclusive Collet
- Ø3mm ~ Ø 25mm
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing Milling, Rough Cutting, Reaming, Drilling



Oil Hole Holder

- Realization of Center Through Coolant
- Used when there is no center through coolant in the equipment itself
- Chip forced discharge by cutting oil
- Improve work efficiency more than 5 times
- Automatic cooling of tool edge by cutting oil
- Tool life extension
- Shank kinds: BT Shank, SK Shank
- Output kinds: ER Chuck, Side Lock Holder(=Endmill Holder)
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing and finishing
- Milling, Rough Cutting, Reaming, Drilling



Tapping Chuck

- Realization of Chuck's own Tension and Compression function
- Tap life extension
- Realization of Tap Processing with Tap Adapter
- One Touch Type and Slide Lock
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Tapping only industry





Drill Chuck

- Strong stiffness
- Prevention of drill breakage due to reverse thrust during penetration
- Manufactured in one piece
- Excellent stability and concentricity
- Bolt lock of Chuck and Body
- Prevent Chuck escaping during heavy cutting
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Drilling only



End Mill Holder (Side Lock Holder)

- Clamping by Side Lock Screw
- Easy and quick tool change
- · Realization of high speed machining
- **G2.5 25,000 RPM**
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing End Milling, Reaming, Drilling, Chamfering



Face Mill Arbor (Shell Mill Arbor)

- Arbor for Milling Cutter
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry



Morse Taper Adaptor

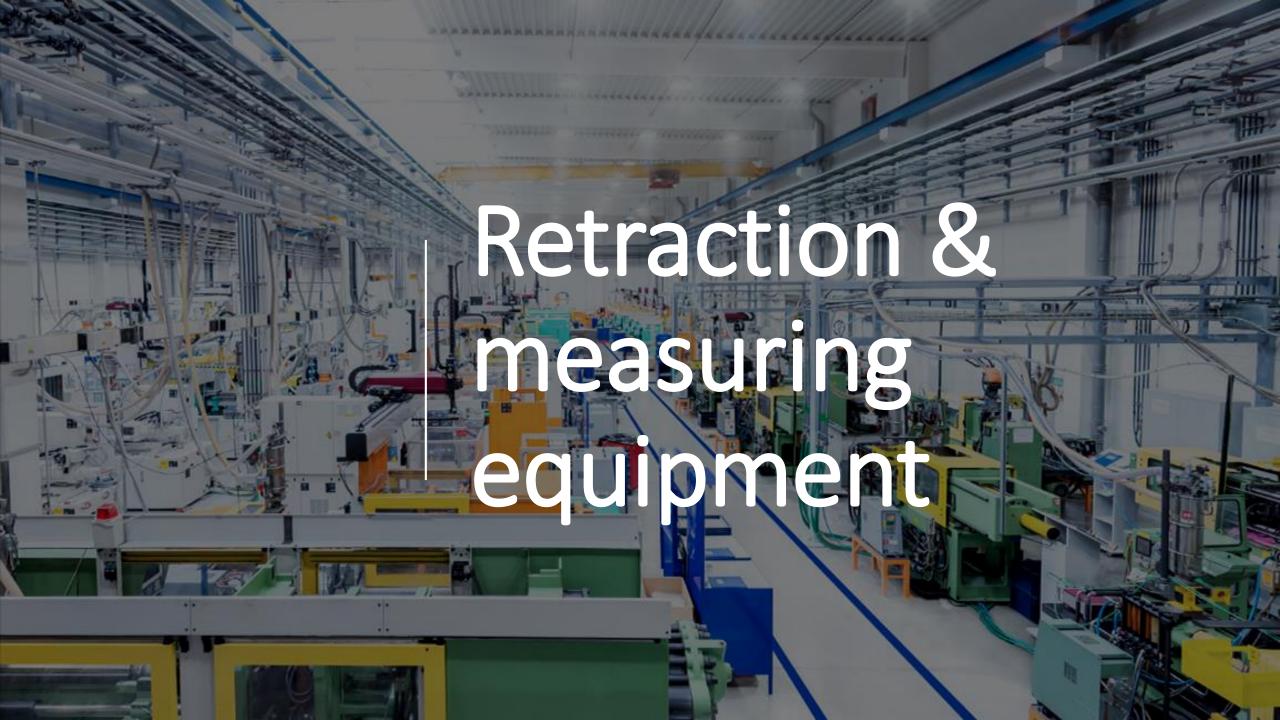
- With Tang MTA
- 13mm or more large diameter drilling
- Withdraw Thread MTB
- 13mm or more large diameter drilling
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- 13mm or more large diameter drill only



Boring System

- Accurate Boring with Precision Grinding Serration
- For finishing Boring Bar
- Modular System
- Various sizes of Extension and Reduction Sleeve
- -> Easy boring range and length control
- Insert
- Double-head height tolerance ≤ 0.003mm
- Using ISO standard insert
- Cutting material and application industry
- Alloy Steel Carbon, Stainless Steel, Cast Iron, Aluminum
- Mold Base, Electric / Electronic, Aerospace, Automotive Industry
- Roughing and finishing Boring





Retraction equipment status

MCT

- Samsung 650S, 430 / Daewoo
 V500
- Doosan DT400 / Samsung 6
- Seojin ENG / Hwachun Milling



CNC

- Doosan 550S / Doosan PUMA400 x2
- Doosan S220L / Samsung x2
- Doosan ACT4 / Tong il Namsun (Universal)



External Grinding

- OKUMA / Hyundai-wia x2
- UGO / MITSUBISHI / STUDER
- SHIGIYA / KELLENBERGER



Internal Grinding

- YAMADA YOKI / TOYO
- DMG / PARMARY x3
- Beveling machine x2



Measuring equipment status

Tool position
Center

• Sony SR 721R

Roundness Measurement

RONDCOM 41

Tool Pre-setter

PARLEC 1500TMM

Shrink set TMM System

- GIS 6000 / GMT GCS-1
- JRS8700 F







Measuring equipment status

Angle Measurement

MITUTOYO PJ300

Balance Measurement

HAIMER2 / NPM1

Grip force
Measurement

• GUHRING SENSO 3000

MASTER TAPER Measurement

BT/SK/HSK/ISO/MT









Sales technical consultation counter

Business management



Young Gyu, Joo(Head of Sales dept.)/ Gyu Cheol, Lee(Manager)
Myeong Hee, Ko(Sales section chief) / Jeong Gak, Moon(Sales section chief)



Sales technical consultationProduct inquiryOverseas marketing inquiry

Sales technical consultation counter

Production management



Jong Kyu, Park(Plant manager) / Jong Bae, Kim(Chief of Manufacture Dept.)
Hee Mun, Kim(Manufacture section chief) / Ui Sun, Noh(Manufacture section chief)



Product manufacturing / production process
 Production technology consulting
 New product research and development



Future strategy



Outstanding quality and image marketing strategies for increased awareness



Introduced products in the overseas market and reconstructing them according to the actual situation



Securing exclusive sales rights for products, checking against competitors



Increase customer benefits by diversifying services and products



Popular product distribution through basic research



Pioneering new business areas through future forecasting

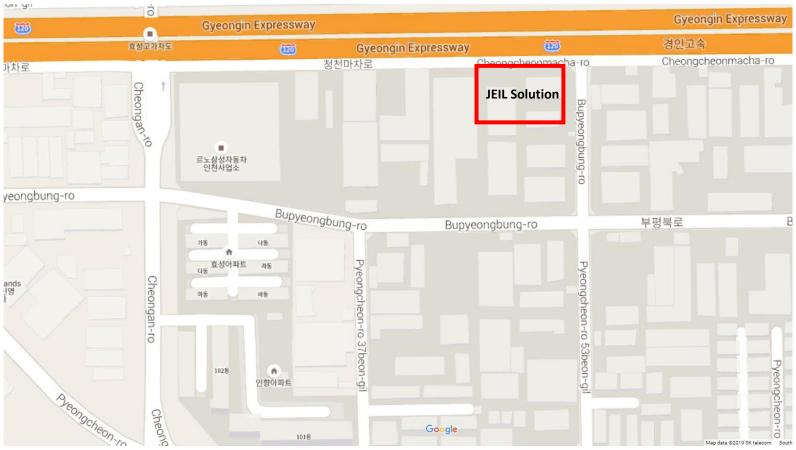


Diversification of distribution structure for launched products

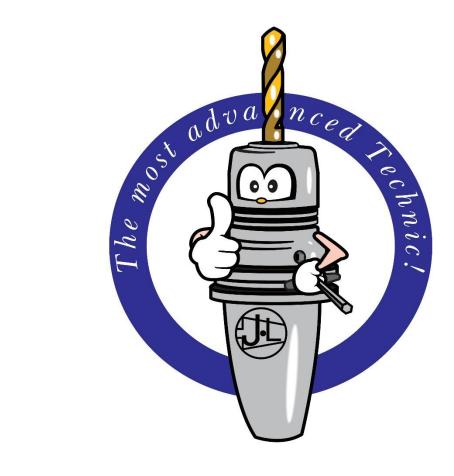


Diversification of product structure by developing new products by R&D

Location



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Thank you