



FEEL INDUSTRIAL ENGINEERING CO., LTD.



We are well aware of the fact that a company's future lies on hands of the customer, thus customer satisfaction is firstly considered in all matters.

### Greeting

We have the great pleasure in introducing ourselves to you.

Our company was established by group of experienced specialists in the construction equipment.

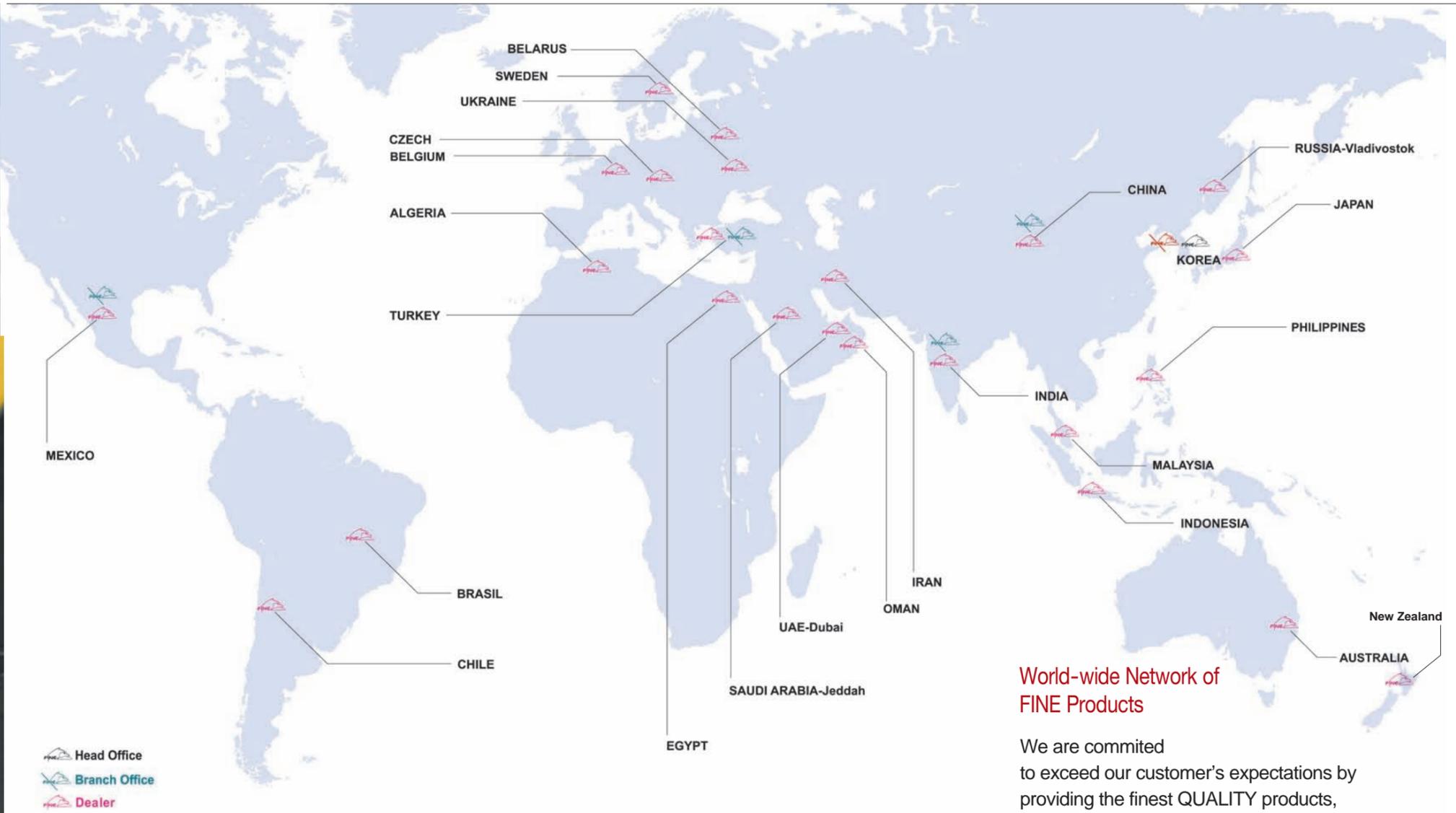
Our ultimate goal is to be the number one construction equipment(attachments) firm, not only in terms of sales or range of products, but, more importantly, 'NUMBER ONE' to our customers.

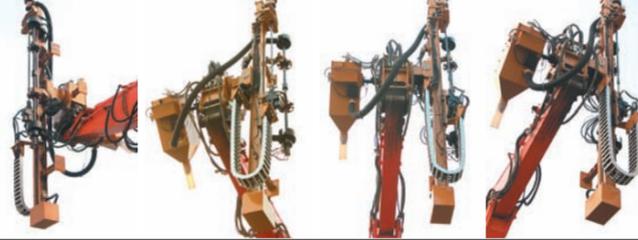
We want to be the cutting edge of technology, developing and making the construction equipment(attachments) that are needed in the new millennium, and providing them at the right price followed by the excellent after-sales service. Our company offers you technical information whenever you need it. We want to help you make the best use of our product.

We are appealing to you as intelligent, thoughtful customers who know what they want and appreciate quality and value.

Invest in the future by relying on us. Please feel free to contact us at all times.

Thank you.



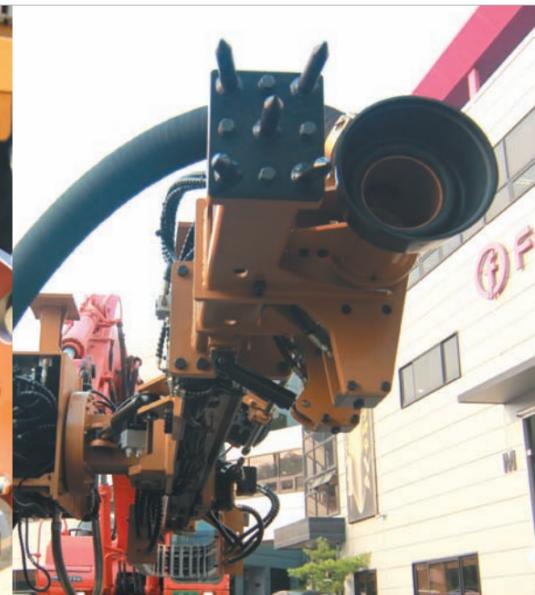


- Excavator Rock Drill
- EX-DRILL 50
  - EX-DRILL 150
  - EX-DRILL 300
  - EX-DRILL 400
  - TWIN EX-DRILL



### Excavator Rock Drill

Is a hydraulic drill which was developed domestically by our research and development team as a highly efficient excavator attachment for drilling holes of various sizes.



**Combination of the Excavator and Crawler Drill !!**

The special attachment, EX-Drill series provides you with economical and efficient performance through multiple functions using the hydraulic power of excavator and wide working range. Convenient and easy control system of the EX-Drill enable you to work the drilling with existing excavator without further investment.

The optimized design of the EX-Drill to show the powerful performance and durability at the job sites ensures safety and comfort work as well as easy access to the key components in order for simple and rapid maintenance. In addition, Accumulated technology and service of Feeleng will give you the best satisfaction continuously.

To maximize the reduction of cost at the job sites, Choice of the EX-Drill will be the best decision for you.

- Same function & Same option as the Crawler drill
- Reasonable Price
- High-Productivity
- Less Maintenance
- Superior durability
- Solid Structure

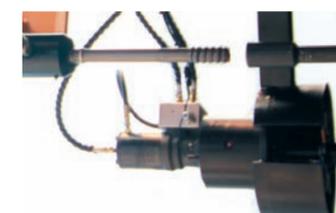
**Rod holding system**

- The safety rig for prevention of rod dropping



**Positioning Sensor**

- The rod is exactly positioned by sensors



**Auto rod changer  
Rod moving arm**

- The rod is safely and quickly changed by moving arm.



**Sliding dust hood**

- Increase of suction efficiency
- Easy check for first rod drilling



**Pre-Cleaner**



*FEEL the Value! Always FINE!*



**Features**

- Easy installation using two hydraulic lines
- Inclusion of the crawler drill's main functions (Auto rod changer, Dust collector, Air compressor)
- Optimized design & Substantial structure
- Simple attachment & detachment - same as other attachments
- Cable and wire - less control - wide view & safe working of operator,
- Strong power of drifter

**Advantages**

- Reasonable cost for drilling work (Cost-cutting ; fuel & labor & transportation)
- Easy transportation - 5tons truck available
- Wide working range - Advantage in slope, rough terrain, upward drilling
- Simple & easy control
- Competitive price than other drilling rig
- Simple repair & low maintenance cost

**Application**

- Drilling for blasting hole at Quarry, Mining
- Anchoring, rock bolting, draining
- Trenches and roads opening
- Rough terrain construction
- High reach drilling.

**Specifications of FINE Attachment Rock Drill**

Make & Mode	FINE Rock Drill				
	EX-Drill 50	EX-Drill 150	Twin EX-Drill	EX-Drill 300	EX-Drill 400
<b>Dimension</b>					
Weight	1000kg	1500kg	2850kg	3100kg	3500kg
Length	2500mm	3400mm	3500mm	6300mm	6300mm
Width	1200mm	1850mm	1500mm	2765mm	2765mm
Height	900mm	1235mm	1350mm	1310mm	1310mm
<b>Feed System</b>					
Working Range	45 degree	280 degree	280 degree	280 degree	280 degree
Tilt	90 degree	90 degree	-	15 degree	15 degree
Feed Force, max.	8kN	10kN	10kN/10kN	28kN	28kN
Tractive Force, max	10kN	12kN	32kN/32kN	32kN	32kN
Total Length	3400mm	3400mm	3500mm	6300mm	6300mm
Travel Length	1500mm	2025mm	2000mm	4000mm	4000mm
<b>Drifter</b>					
Model	FD 50/ Doofor503S	FD300	FD300	FD300	FD400
Weight	77kg	150kg	150kg x 2	150kg	210kg
Impact Power	10kw	11kw	12w x 2	12kw	20kw
Rotation Speed	0-250rpm	0-290rpm	0-290rpm x2	0-290rpm	0-290rpm
Rotation Torque	175Nm	630Nm	630Nm x 2	630Nm	690Nm
Hydraulic Pressure(+R)	145bar	180bar	220bar	220bar	220bar
Hydraulic Oil Flow(+R)	80 lpm	90 lpm	200lpm	115 lpm	135 lpm
<b>Compressor</b>					
Model	-	-	-	-	UP30
Weight	-	-	-	-	860kg
Air flow	-	-	-	-	180CFM / 6.2 m3/min
Max. Air Pressure	-	-	-	-	5bar
Oil Flow Requested	-	-	-	-	90-110 lpm
Oil Pressure Requested	-	-	-	-	200-220 bar
Power	-	-	-	-	37.3kw
Cooling	-	-	-	-	DC24V Double Fan
<b>Dust Collector</b>					
Number of Filters		4	4	6	6
Suction Cap.		900CFM / 25.5 m3	900CFM / 25.5 m3	1059CFM / 30 m3	1059CFM / 30 m3
<b>Auto-Rod Changer</b>					
Numbr of Rods(Std.)	1	1	1	1+3	1+6
Bit Diameter	41mm~76mm	55mm~150mm	55mm~105mm	64mm~105mm	76mm~127mm
Rod size	R32	T38	T38	T38/T45	T38/T45
Max. Hole Depth	1m	1.5m	1.5m	12m	21m
First Rod Length	1220mm	1830mm	1830mm	3660mm	3660mm
<b>Suitable Machine</b>					
	Exca.6-10tons Skide Loader 5-8tons	Exca. 8-20tons	Exca. 18-32tons	Exca. 2 0-26tons	Exca. 32-45tons

\* Above specifications are Subject to change without prior notice.



## FD-400 Drifter

Powerful performance / Superior productivity.

FD-400 has been especially developed by accumulated technologies and experiences of FINE Breaker for over five years. It shows high-speed performance and straight drilling with forceful impact and rotation.

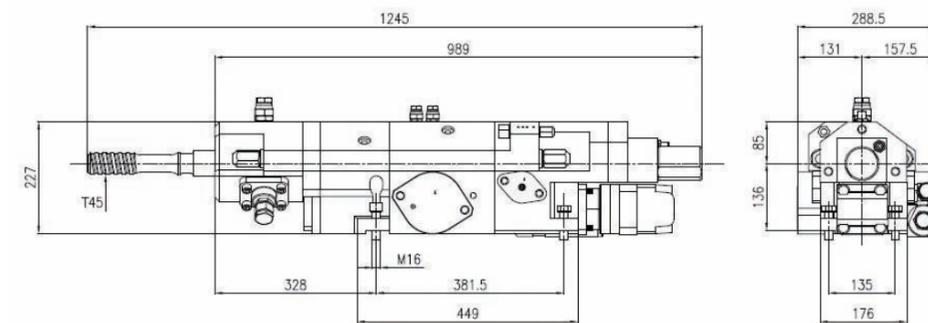
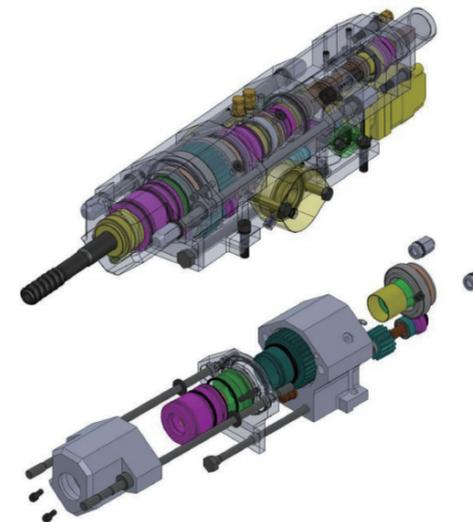
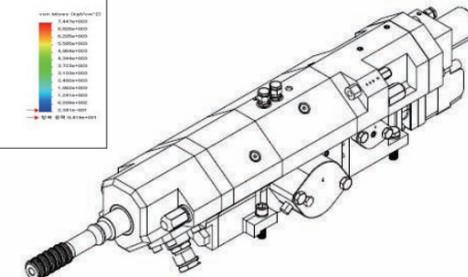
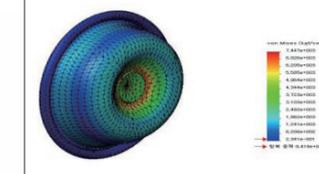
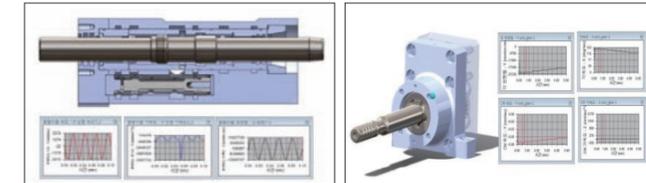


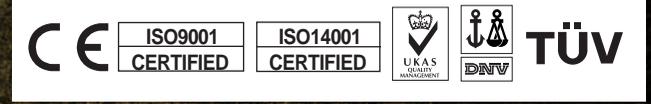
- High-speed, hydraulic rock drills for long-hole drilling in the hole range 76-127mm
- High penetration rates and excellent drill steel life
- Minimized number of parts and simple structure enable customers to save the maintenance costs and repairing times

- Optimum Piston design matches the size of the drill steel. This feature gives minimum drill steel stress
- FD-400 was 3D-designed and accurately pre-tested by special software programs in order for optimized structure.
- The performance and durability of FD-400 has been verified at various job sites

### ■ Specifications

Model	FD-400
Weight	210kg
Impact Power	20kW
Rotation Speed	0 - 290rpm
Rotation Torque	690 Nm
Hydraulic Pressure	220 bar
Hydraulic Oil Flow	135 lpm





# FINE TECHNOLOGY

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