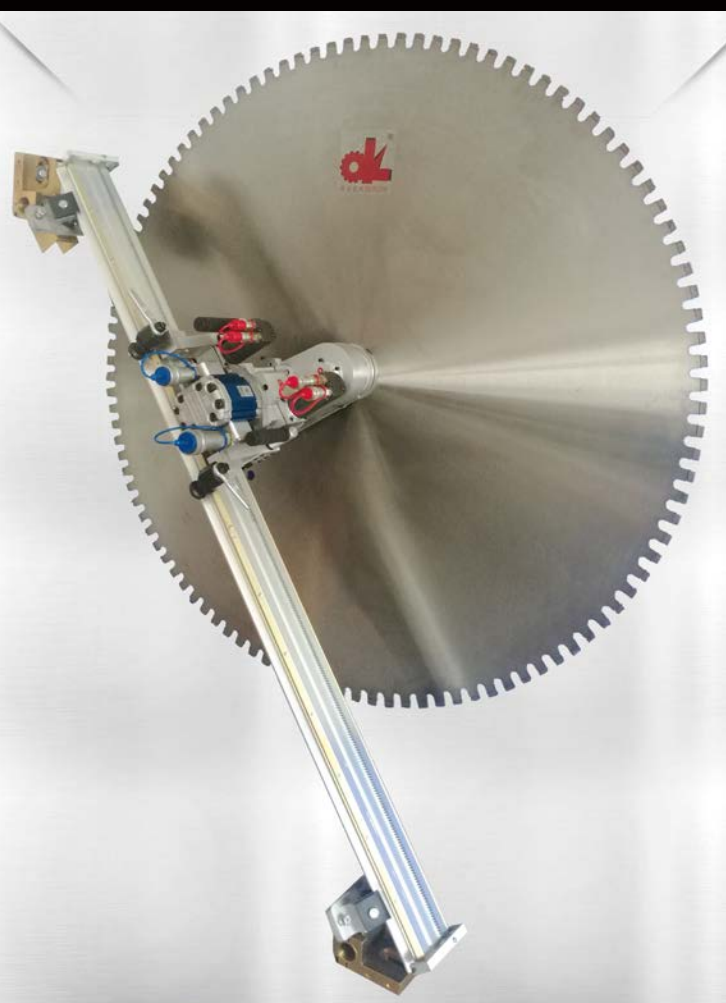




XI AN OUKAI HI-TECH CO.,LTD.

<http://www.okcutting.com>

# OUKAI DIAMOND TOOLS AND EQUIPMENT



XI AN OUKAI HI-TECH CO.,LTD.

Product Catalogue

Concrete Cutting Machines  
English|2022

# OUKAI

Founded in 2002, XI AN OUKAI HI-TECH CO., LTD has grown to become the Chinese top manufacturer of Diamond Tools and Machinery Equipment. OUKAI specializes in servicing the Concrete Cutting Industries with quality Diamond tools and Equipment to service and meet the needs of customers no matter what the project.

OUKAI manufactures and supplies a complete range of Diamond Tools and Equipment for the Concrete Sawing and Drilling Industry, Demolition Industry and Stone processing industries ,to name a few.

Our customers are professional drilling and sawing companies in China.- Furthermore,Oukai works closely with an extensive network of dealers and importers in the other countries.

Our brand is “**ok**”,Our slogan: “**Concrete Cutting Select ok ,Everything Is OK!**”



# HYDRAULIC WALL SAW

## HWS-600TM



Use of the quick-separation flange on the swivel arm provides simple, fast blade replacement and facilitates use in flush cutting applications. Innovative feed motors ensure fast cutting.

### Standard configuration:

- 1\* Saw Head 600TM
- 1\* Power Unit 600TM
- 1\* Rail 1m
- 1\* Rail 2m
- 6\* Hose 10m
- 4\* Rail Support
- 1\* Blade Guard
- 4\* End Stop
- 1\* Blade 800mm
- 1\* Tool Set

## Technical Data

Data	Model	HWS-600TM
Power Unit	Max. Power	25kW
	Voltage	3-phase/400V/50Hz
	IP Protection Code	IP54
	Max. Pressure	200bar
	Oil Flow Rate	30-80L/min
	Dimensions(L*B*H)	650*600*1150mm
	Weight	180kg
Saw Head	Saw Blade Diameter Range	600-1400mm
	Max. Cutting Depth	610mm
	Load Speeds	450/900/1350Rpm
	Centre Hole Of Blade	60mm
	Weight	38kg

## HWS-700TM

Max.power	30kW
Voltage	380V~480V
Frequency	50Hz/60Hz
Min.generator Power	60KVA
Pressure Stages	3
Oil Flow Rate	30~100L/min
Max.operating Pressure	210bar
Dimensions(L*W*H)	500*520*1100mm
Weight	118kg



Power Unit

## HWS-700TM hydraulic wall saw machine

It is very powerful and designed to make your work more efficient. Use is a very powerful wall saws for cutting reinforced concrete, brick and other building materials, up to 730 mm thickness. It can be used for all kinds of openings and sawing including stair, bevel and flush cutting.



Saw Head

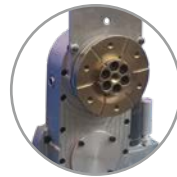
Saw Blade Diameter Range	600 - 1600mm
Max.cutting Depth	730mm
Load Speeds	600/850/1400Rpm
Centre Hole Of Blade	60mm
Demensions(L*B*H*)	400*420*400mm
Weight	39kg



## HWS-700TM



Wall saw head can be mounted easily and quickly



Geared swivel arm with quick-release flange holder



Lightweight and ergonomic, high-strength aluminium alloy, gear swivel arm and roller guides

## Package Content

● 1\* Saw Head 700TM

● 1\* Power Unit 700TM

● 1\* Rail 1m

● 1\* Rail 2m

● 6\* Hose 10m

● 4\* Rail Support

● 1\* Blade Guard

● 4\* End Stop

● 1\* Blade 800m

● 1\* Tool Set

# HYDRAULIC WALL SAW

## Product / User Benefits:

- Popular, well-tried and outstanding reliability and cutting accuracy.
- Easy transport and simple installation thanks to well-honed design.
- Different blade diameters can be used, max. 1,600mm.
- Super power 32 kW output. but it weighs only 118kg.
- Cutting depths up to 730mm (wireless control)



## HWS-800TM Power Unit

Main Motor	Water-cooled Electric Motor
Rated Output	32kW/43.5hp
Voltage	380V-480V,3-phase,50Hz/60Hz
Pump	Multiple Gear Pump 3-stage
Max. Operating Pressure	210bar
Oil Flow Rate	40-100L/min.
Dimensions (L*B*H)	680*550*700mm
Weight	118kg
IP Protection Code	IP65

## OK-800TM Saw Head

Gearing	1gear
Max. Oil Flow Rate	100L/min.
Operation	Remote Control
Weight	38kg
Blade Drive Motor Type	Geared Motor
Rotable Swivel Arm	360°
Centre Hole Of Blade	60mm
Saw Blade Fixing (Flush Cuts)	6 Countersunk Head Screws Reference Circle 110mm



Power Unit



Saw Head



Remote Control

## Remote Control(Wireless)

Control Voltage	24V(DC)
Dimensions (L*B*H)	350*200*150mm
Weight	2kg

## HF-105DM High Frequency Wall Saw



### Saw Blade

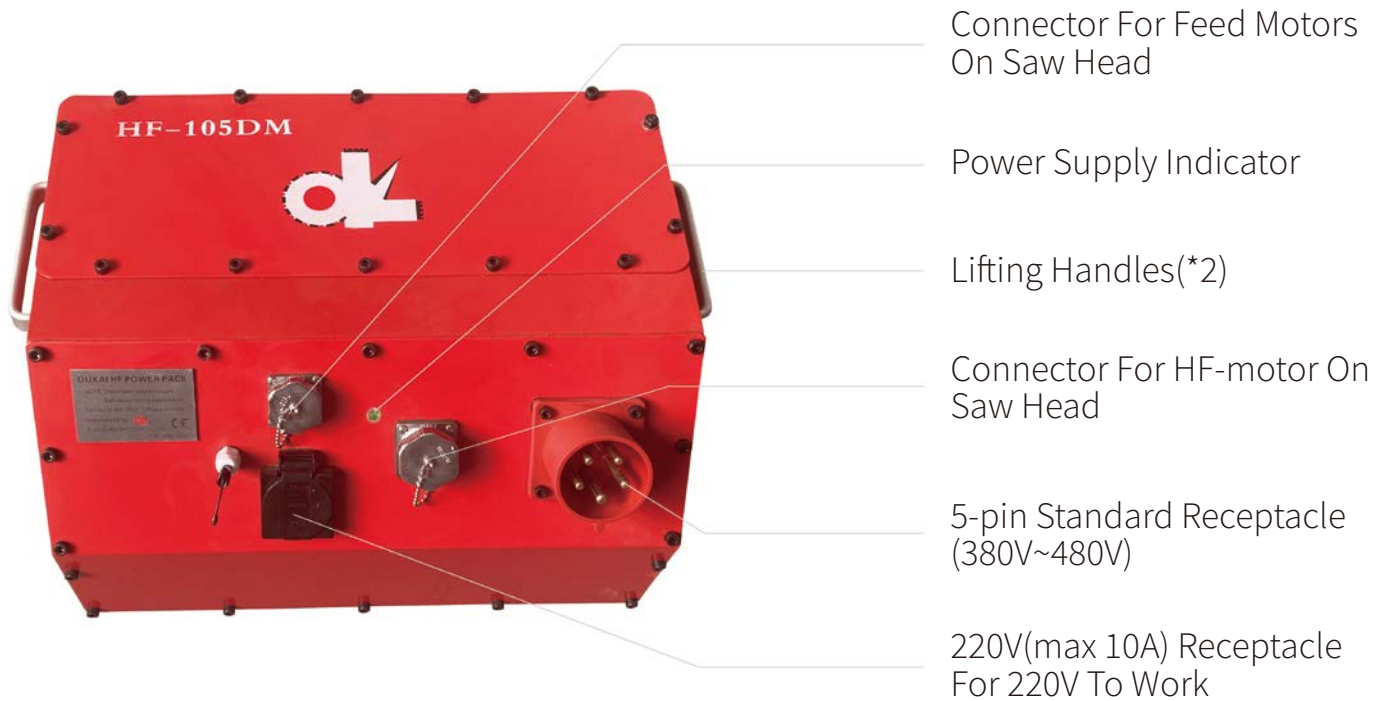
Max.Cutting Depth	510mm
Max.Saw blade	φ1200mm
Saw Blade Fixing (Flush Cuts)	6 Countersunk Head Screws, 110mm Graduated Circle

### Weight

Wall Saw 105DM Incl.Feed Electric Motors	25kg
Electric Main Motor (16kW)	15kg



# HIGH FREQUENCY WALL SAW



## Electric Motor (Water-Cooled High-Frequency Motor )

Max.Output Power	16kW
IP Classification	IP 67

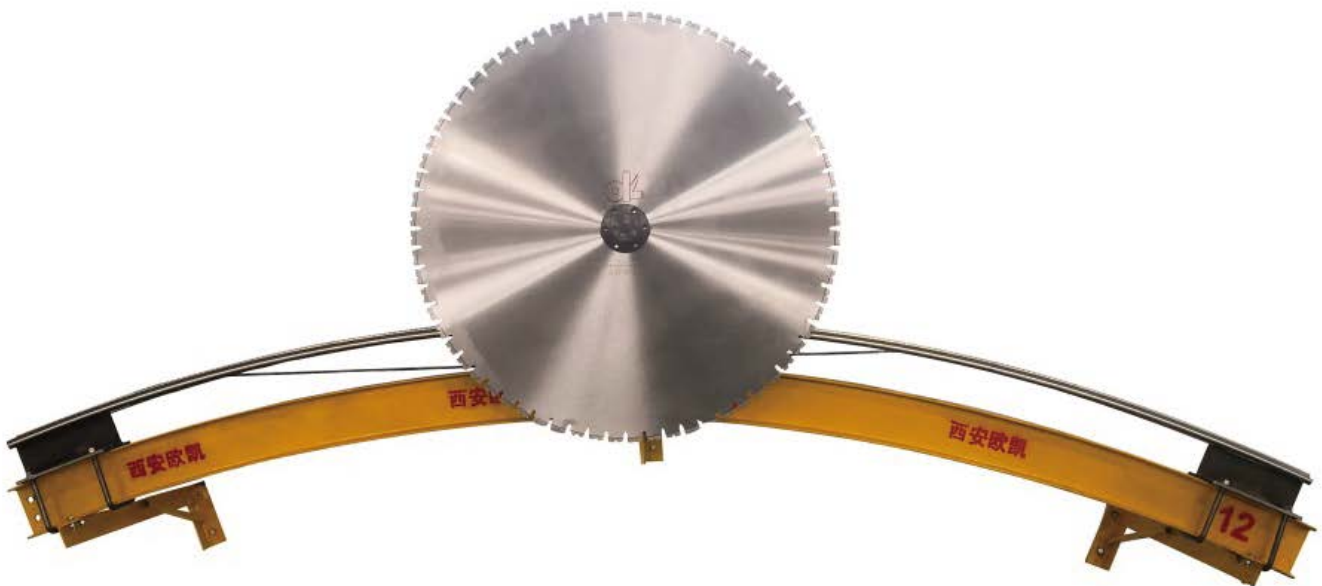
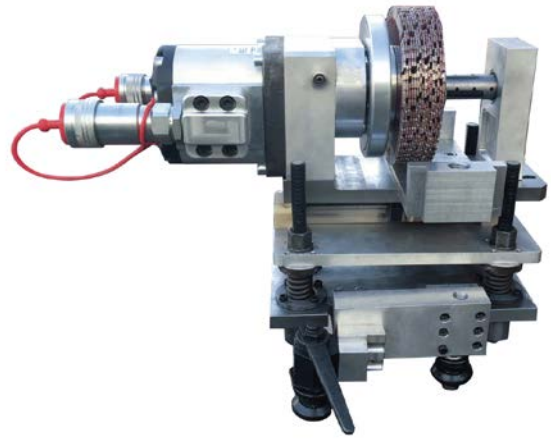
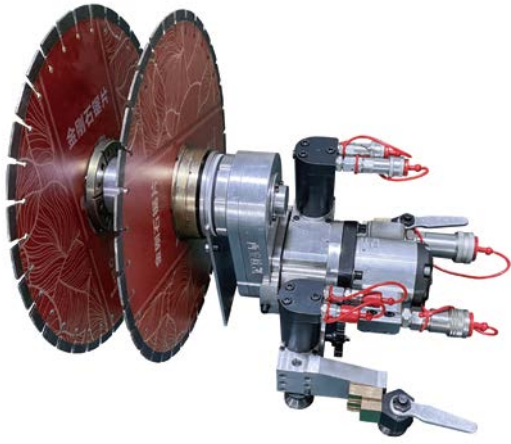
## Control Unit

Voltage	380V~480V (Single Phase Is Available)
Frequency	50Hz/60Hz
Weight	18kg
Wireless Control	1.8kg

## Special Applications

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Can be customized according to customer specific needs of concrete cutting, Tunnel cutting, groove cutting, and other special applications.



## Electric Wall Sawing



EWS-300S



WS-300S



WS-300M



Control Box

**Electric wall sawing** mainly used for building or old building reconstruction, reinforcement, design changes, etc., can cut large areas of wall such as door holes, windows or elevator holes. The structure is non-destructive and once-formed, besides avoiding the damage to the building structure caused by the traditional master's knocking construction, and the consumption of time, material resources and manpower in drilling circular row holes, it can save a lot of rest time and cost.

The new electric wall saw is manually composed of motor, gantry crane joint and guide rail components. The utility model has the advantages of high efficiency, low cutting cost and convenient operation.

## Technical Data

Date \ Model	EWS-300S	WS-300S	WS-300M
Input Power	4800W	5000W	3600W
Voltage	220V/50Hz	380V/50Hz	220V/50Hz
Cutting Depth	0-400mm	0-400mm	0-300mm
Operation	Auto/Manual	Manual	Auto
Blade Diameter	400-1000mm	400-1000mm	400-800mm

## Case



## Wire Sawing

Diamond wire sawing is particularly useful when extremely thick and/or awkward shapes need cutting. Where sawing very thick, deep or hard to access material, wire sawing is the solution.



## SQ-90AM

### Hydraulic Wire Saw

Safer And Simpler Wire Saws

- Automatic wire saw with double driving motor.
- Light aluminium design, low maintenance.
- Easy transport due to compact and modular construction.



## Technical Data

Wire Storage	m	12
Width	mm	950
Depth	mm	700
Rail Height	mm	2000/1500
Drive Pulley	mm	280
Storage Pulley	mm	200
Total Weight	kg	100
Power Unit	OK-700TM/800TM is available	

## Product Description

Model	Features of the wire saw
<p><b>SQ-80AM</b></p> 	<p><b>SQ-80AM</b> wire saw system low weight with extraordinary performance and are suitable for both small and large jobs. Recommended for use with the 18 or 22 kW HF-motor or a hydraulic motor. It has a range of suitable power unit to run them</p>
<p><b>SQ-80AM</b></p>  <p>SQ-80AM-A      SQ-80AM-B</p>	<ul style="list-style-type: none"> <li>● Low-cost maintenance.</li> <li>● Extra large wire store.</li> <li>● Highly efficient and flexible.</li> <li>● Enable you to cut very complex structures, both in steel and heavily reinforced concrete.</li> </ul>
<p><b>SQ-70AM</b></p> 	<ul style="list-style-type: none"> <li>● Drive wheel 440mm, storage pulley 200mm.</li> <li>● Easy and quick handling.</li> <li>● Suitable for all kinds of openings with exact corners.</li> <li>● Suitable for small and mid-size jobs.</li> </ul>

## HF-103DM High Frequency Electric Wire Saw



### Dimensions & Weight

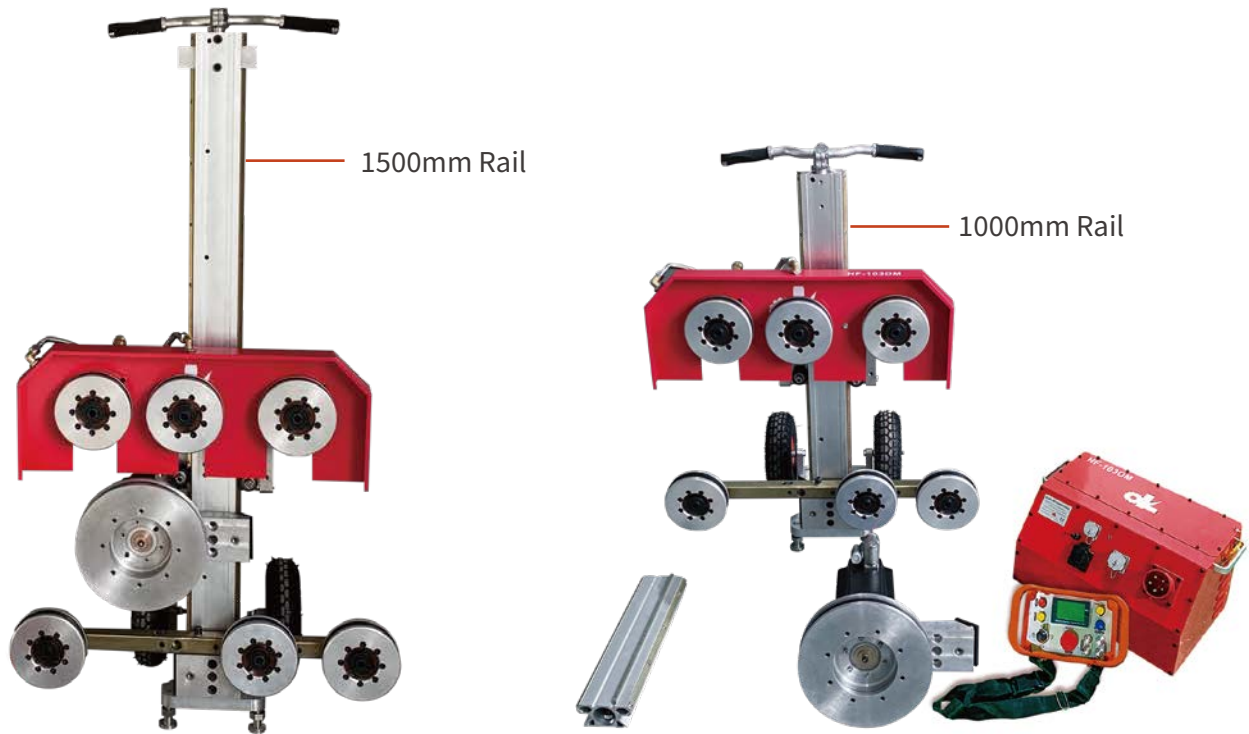
Height	1100/1600mm
Width	900mm
Depth	550mm
Weight	85kg
Weight Without Main Motor	60kg

Main Motor Can Be Disassembled And Mounted Quickly And Easily.

### Design(Feed Wire Storage Electric )

Drive Wheel	$\phi 350\text{mm}$
Guide Pulleys	$\phi 200\text{mm} \phi 168\text{mm}$

# HIGH FREQUENCY WIRE SAW



Wire Saw System : Modular Design All Modules Are Detachable Quickly And Easily.

## Control

Voltage	380V~480V (Single Phase Is Available)
Frequency	50Hz/60Hz
Weight	19kg
Wireless Control	2kg

## Wire

Wire Storage	11m
Wire Sintered	φ11.5mm
Wire Brazed	φ10mm

## Electric Motor (Water-Cooled High-Frequency Motor )

Output	32A 17kW 19kg
Output	16A 9kW 15kg

## Hydraulic



## Electric





## OK-EWM22



Electric Wire Saw

**Features:**

- Easy to install, easy to move, fast cutting speed
- Low cost and easy maintenance
- Use flexible, horizontal cutting and vertical cutting

Voltage	380V/50Hz
Power	22kW
Large Flywheel Diameter	600mm
Travel Motor Power	200W
Max.stroke	1300mm
Weight	315kg
Dimensions	2100*750*800mm



## EQ-200AM



Electric Wire Saw



- Minimal set-up and disassembling times  
-> quickly ready for operation
- Wire-spring spring-tension system  
-> efficient
- Double motor at drive wheel( 220V,50Hz;4.3KW\*2)  
-> no slipping when starting up
- Remote control, automatic walking  
-> one-man suitable
- Diamond wire storage 6 + 2 m

Power	4.3kW*2
Shaft Speed	0-980r/min
Voltage	AC 220V 50Hz
Weight	75kg

## HD-500

OUKAI hydraulic core drilling system is ideal for drill larger holes up to 1500mm.



- Heavy-duty
- Aluminium base and quickly assembled modular system.



- The two speeds at the drilling gear
- Give it a wide range of speeds and drilling capacity.



- Powerful drilling
- powerful drilling with hydraulic feed and quick clamping system.

## Technical Data

Number Of Gears	2
Drill Diameter Range	52~500mm
Max.drill Diameter With Distance Plates	800mm
Drill Stand Height	2100mm or 1600mm
Feed Using	Hand Crank or Hydraulic

## HD-1000



Extra large hydraulic core drill system for highest requirements and drilling diameters. two-speed feed gear enable user friendly work.

Max.drilling Diameter	1500mm
Total Weight	180kg
Drill Stand Height	1510mm

## Various Special Diamond Core Drill Bits For Concrete



- Diamond Core Drill Bits for Drill Hole on Concrete or Reinforced Concrete, etc.
- Outer diameter we can do: 300mm to 1000mm.
- Different connections and segment specifications are available upon request
- Excellence Performance, *Your best Choice!*



## Core Drill Stand OK-1500S

- An excellent choice for heavy-duty core drilling applications
- Faster Set Up
- More Versatile Coring

## Core Drill Stand OK-800S

- The light adjustable aluminum alloy bracket can drill inclined holes from 45-90°.
- Large base for stable drilling in all sizes application



## Concrete Crusher



### Features:

HYDRAULIC CONCRETE CRUSHER The HD Series allows for the demolition of concrete and reinforced concrete with strength and precision. Excellent for use on walls, stairs, pillars, basins, foundations, beams, chimneys, and more.

Minimal noise and vibrations. A practical, handy, and reliable demolition tool.

## Power Unit



(Single-phase)



(Three-phase)



(Diesel)

Data \ Model	HD-180	HD-250	HD-320	HD-420	HD-560
Demolition Thickness(mm)	180	250	320	420	560
Weight Of Crusher(kg)	72	85	98	110	150
Voltage(V)	380/220	380/220	380/220	380	380
Max.Pressure(Mpa)	63	63	63	63	80
Power(kW)	3.0/2.2	3.0/2.2	3.0/2.2	3.0	4.0
Tank Capacity(L)	30	30	35	35	55
Weight Of Power Unit(kg)	60	60	70	70	80

## Concrete and Rock Splitter



### Features:

Hydraulic rock splitter & concrete splitter is one of the most efficient, safest and easiest ways of removing mass and reinforced concrete.

Saves time & money in demolition work. It is dust free, noiseless, vibration free, safe and environment friendly.

Model	HD-25	HD-35
Core Diameter(mm )	φ42	φ42
Core Depth(mm )	≥500	≥600
Wedge Length(mm )	250	350
Crack(mm )	10~40	10~40
Splitting Time(s )	5~12	5~12
Splitting Force(T)	300	400
Weight(kg )	38	45

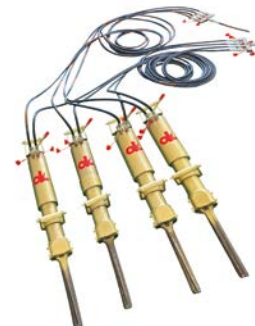
Power Model	Weight	Tank Capacity	Engine Power	Working Pressure
Electric	70kg	40L	3.0/4.0kW	55-63Mpa
Diesel	140kg	70L	7.5Hp	55-63Mpa



## Heavy Duty Burstern





















- Suitable for controlled, large-volume break-up of reinforced concrete and stone.
- Number of pistons : 3~11.
- Required core bore hole (Withput pressure plate) : 90/110/150mm.

## Products Portfolio



High press power pack(Single or three phase) can be used for splitter,crusher,bursters or other tools.

## Pulley Wheels & Wire Accessories

<p><b>PW1</b></p>  <p>Φ200mm Guide Frame With Two Pulleys</p>	<p><b>PW2</b></p>  <p>Φ200mm Wire Saw Pulley With Shaft</p>	<p><b>PW3</b></p>  <p>Φ200mm Wire Saw Storage Pulley System</p>	<p><b>PW4</b></p>  <p>Φ200mm Wire Saw Guide Pulley System</p>
<p><b>PW5</b></p>  <p>Φ200mm Wire Saw Guide Pulley System</p>	<p><b>PW6</b></p>  <p>Φ200mm Wire Saw Guide Pulley System</p>	<p><b>PW7</b></p>  <p>Φ200mm Multi-guide Pulley System</p>	<p><b>PW8</b></p>  <p>φ440mm/φ550mm/φ600mm Drive Pulley</p>
<p><b>PW9</b></p>  <p>Universal Wheel</p>	<p><b>PW10</b></p>  <p>Φ120mm/Φ160mm Plunge Pulley Wheel</p>	<p><b>PW11</b></p>  <p>Plunge Pulley Wheel With Link Axis</p>	<p><b>PW12</b></p>  <p>Plunge Wire Saw Device</p>
<p><b>WA01</b></p>  <p>10mm<sup>2</sup> mould 16mm<sup>2</sup> mould</p> <p>Assembling Press &amp; Die</p>	<p><b>WA02</b></p>  <p>Straight Steel Diamond Wire Connector</p>	<p><b>WA03</b></p>  <p>A B</p> <p>Wire Saw Clamp</p>	<p><b>WA04</b></p>  <p>Rubber Wheel(Φ200mm/Φ250mm/Φ550mm)</p>
<p><b>WA05</b></p>  <p>Guide Wheel φ200mm</p>	<p><b>WA06</b></p>  <p>Guide Wheel φ200mm</p>	<p><b>WA07</b></p>  <p>Drive Wheel φ280mm</p>	<p><b>WA08</b></p>  <p>Guide Wheel φ168mm</p>



## Parts and Accessories

WA09



Wheel Assembly Wall

WA10



Wheel Guard

WA11



φ200mm Wire Saw Guide Pulley System

WA12



A B

Pulley Assembly Part

WA13



A B

A: Mound Layer  
B: Quick-fik Anchor

WA14



Base Plate

WA15



Diamond Wire Saw Cutter

WA16



Diamond Wire Saw

WS01



Rail Support

WS02



Adjustable Angle Rail Support

WS03



Rail Support

WS04



Rail Support

WS05



Wall Saw Blade

WS06



Blade Guard

WS07



Rail for Wall Saw

WS08



Diamond Segments for Saw Saw Blade

WS09



Core Bits

WS10



Core Drill Bit Adapters

WS11



Core Bit Barrel

WS12



Diamond Segments for Core Bits

## Wire Saw For Concrete

Application : Concrete, Cured Concrete, Reinforced Concrete

Equipment : Wire Saw



Very fast and consistent cutting performance in reinforced concrete structures  
 11.5mm x 40 beads / meter Rubber Injection, Premium Quality.

Works great for reinforced concrete cutting and cured concrete sawing.

	Highly Reinforced Concrete	Normal Concrete
Max. linear Cutting Speed	20 ~ 22 m/s	22 ~ 25 m/s

## Details

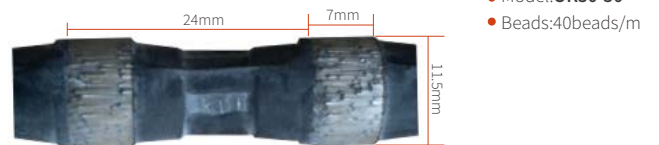
### Sintered(Spring+Rubber)



- Model: **OK35-32**
- Beads: 40 beads/m

Application: Reinforced Concrete  
 Concrete strength grade ≤ 35Mpa Diameter Of The Steel Bar ≤ 32 mm

### Sintered(Spring+Rubber)



- Model: **OK50-50**
- Beads: 40 beads/m

Application: Reinforced Concrete  
 Concrete Strength Grade ≤ 50Mpa Diameter Of The Steel Bar ≤ 50 mm

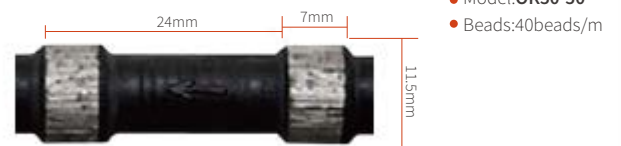
### Brazed(Spring+Rubber)



- Model: **OK50-50**
- Beads: 44 beads/m

Application: Reinforced Concrete  
 Concrete strength grade ≤ 50Mpa Diameter Of The Steel Bar ≤ 50 mm

### Sintered(Spring+Rubber)



- Model: **OK50-50**
- Beads: 40 beads/m

Application: Reinforced Concrete  
 Concrete Strength Grade ≤ 50Mpa Diameter Of The Steel Bar ≤ 50 mm

## Wall Saw Blade

OUKAI wall saw blade for cutting concrete and reinforced concrete. The blade are available both with high frequency welded segments with and with laser welded sectors.

## Saw Blade(Laser Welded)



### Laser welded blades features:

- Excellent cutting speed and high level performance.
- Noticeable smooth running.
- Laser welded segments for maximum safety.
- Suit Oukai,Tyrolit,Dimas,Husqvarna,Hilti,WALL SAWS.
- Above 95% customers will place a formal order after testing the samples.

Sizes Available :600mm, 800mm, 1000mm, 1200mm, 1400mm,1600mm.

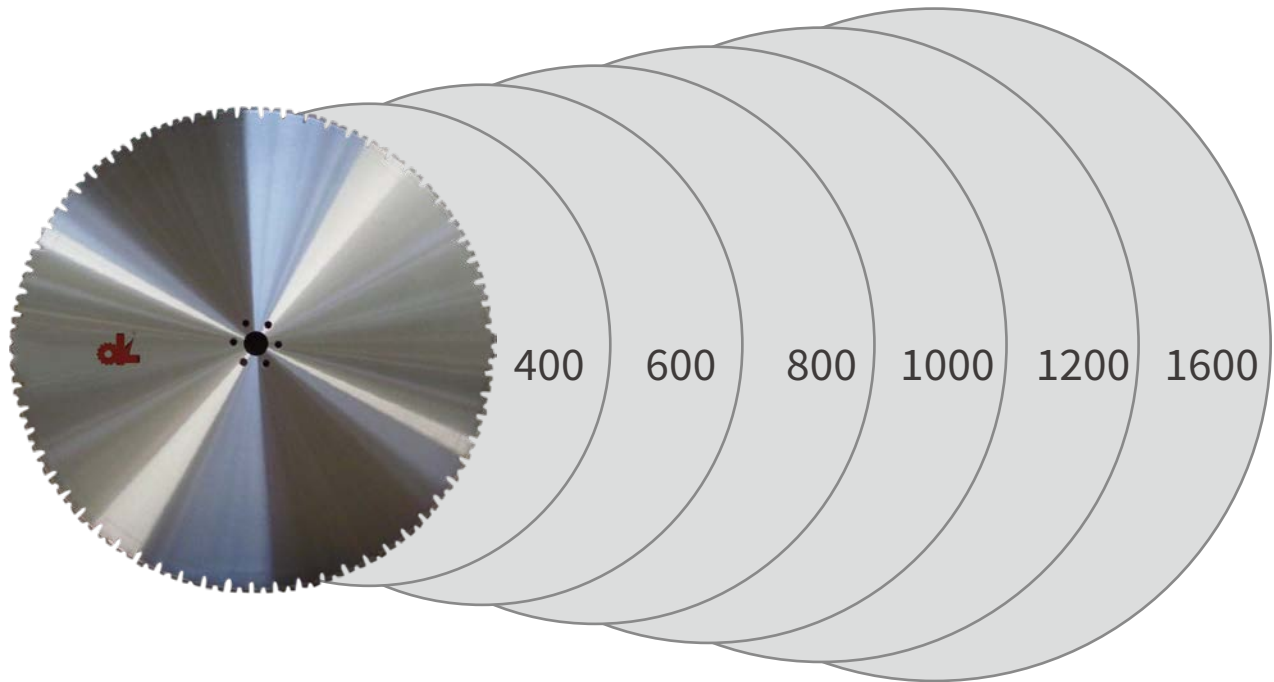
## High Frequency Welded Blades



### Features:

- Cutting high-speed.
- Maximum economic efficiency.
- Allows re-tipping of the disc.
- Blades suite for electric or hydraulic wall saws.

## Dimension Description



## Technical Specification

Diameter		Seg.LxT(mm)	Seg.height	Cutting Materials
24"	600mm	40*4.8	13mm	Concrete/Reinforced Concrete
28"	700mm	40*4.8	13mm	Concrete/Reinforced Concrete
32"	800mm	40*4.8	13mm	Concrete/Reinforced Concrete
36"	900mm	40*4.8	13mm	Concrete/Reinforced Concrete
42"	1000mm	40*4.8	13mm	Concrete/Reinforced Concrete
48"	1200mm	40*4.8/5.2	13mm	Concrete/Reinforced Concrete
56"	1400mm	40*4.8/5.2	13mm	Concrete/Reinforced Concrete
64"	1600mm	40*4.8/5.2	13mm	Concrete/Reinforced Concrete



## Company Scene



## FACTORY CORNER



**OUKAI** have own factory and advanced processing machines.



PROJECT CASES





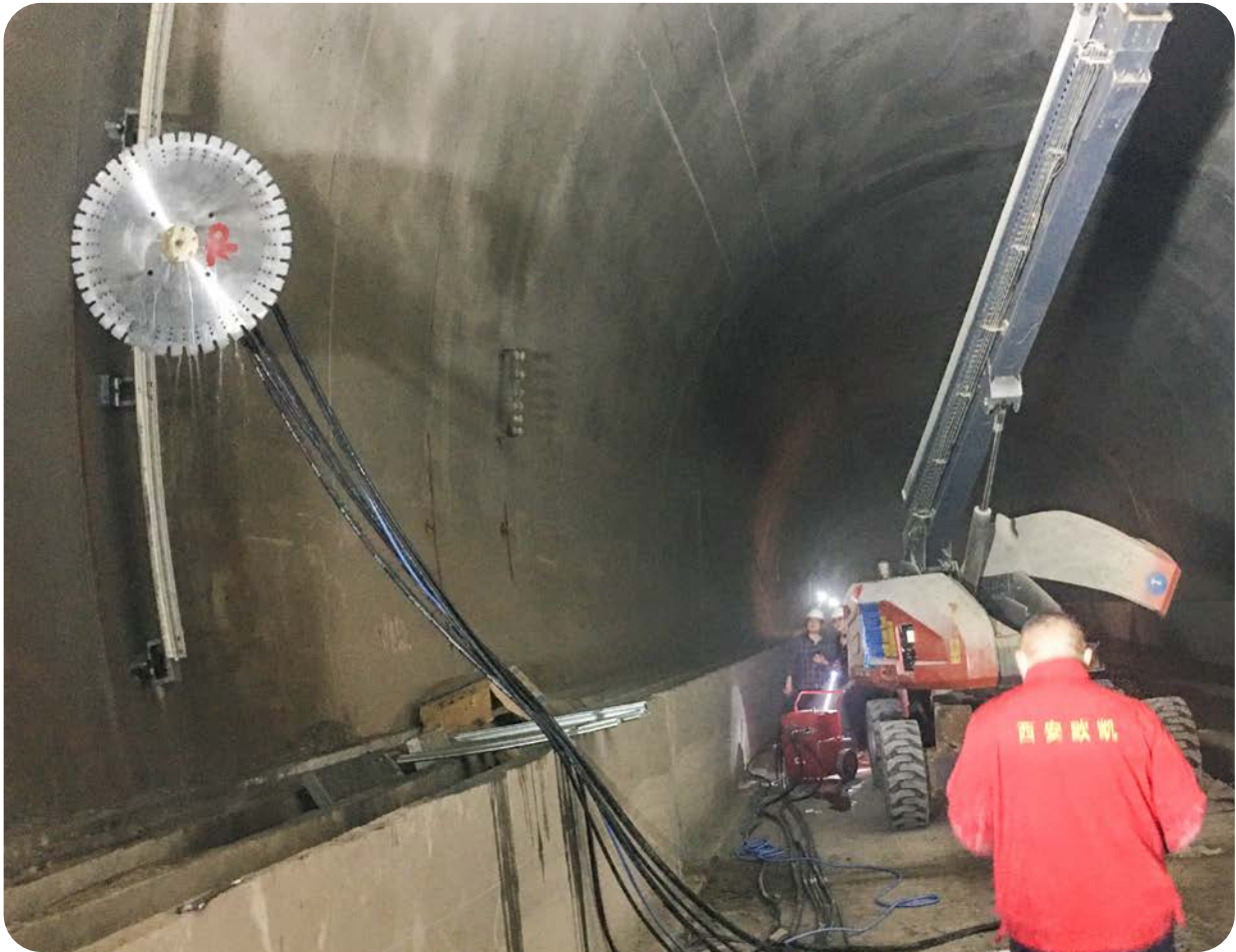
PROJECT CASES



PROJECT CASES



PROJECT CASES



# PROJECT CASES



PROJECT CASES



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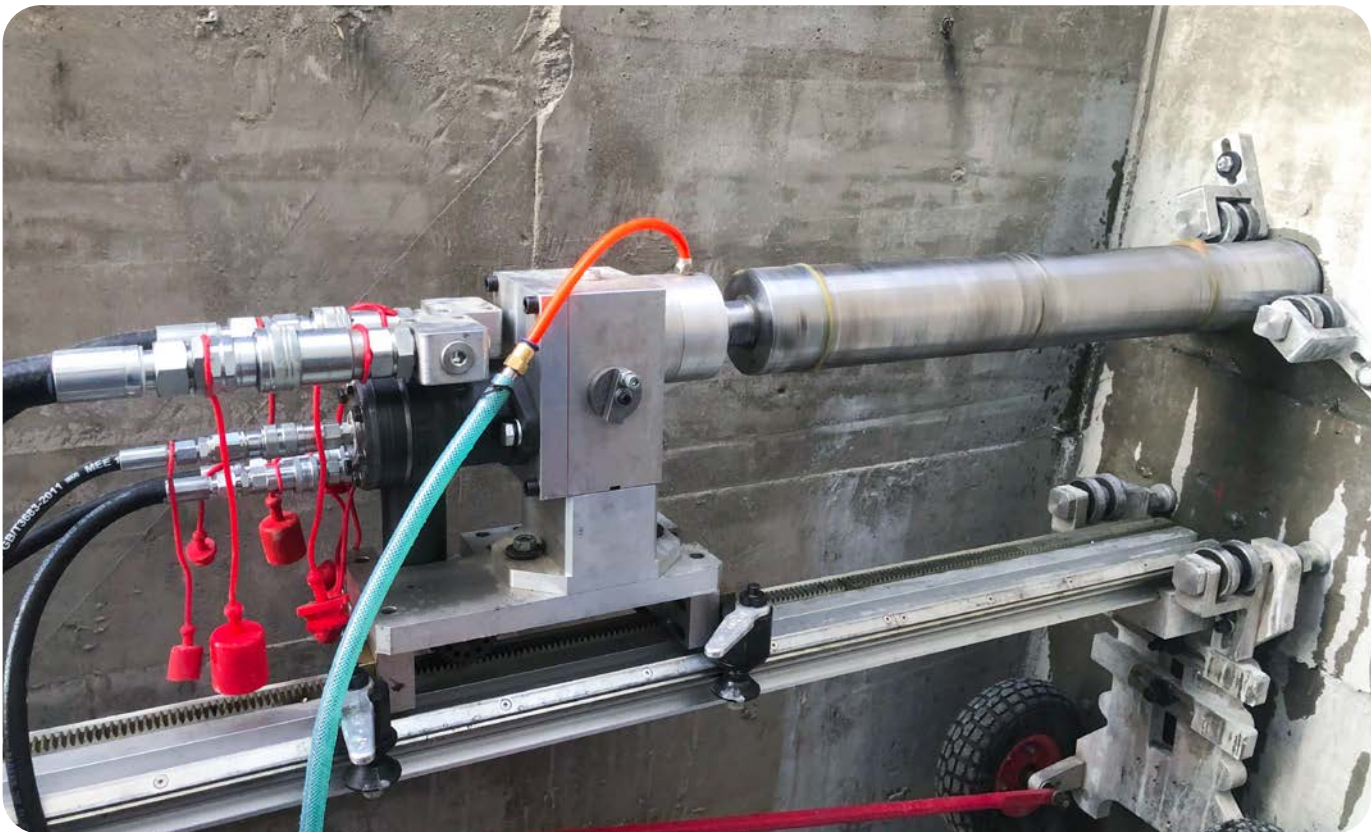


PROJECT CASES



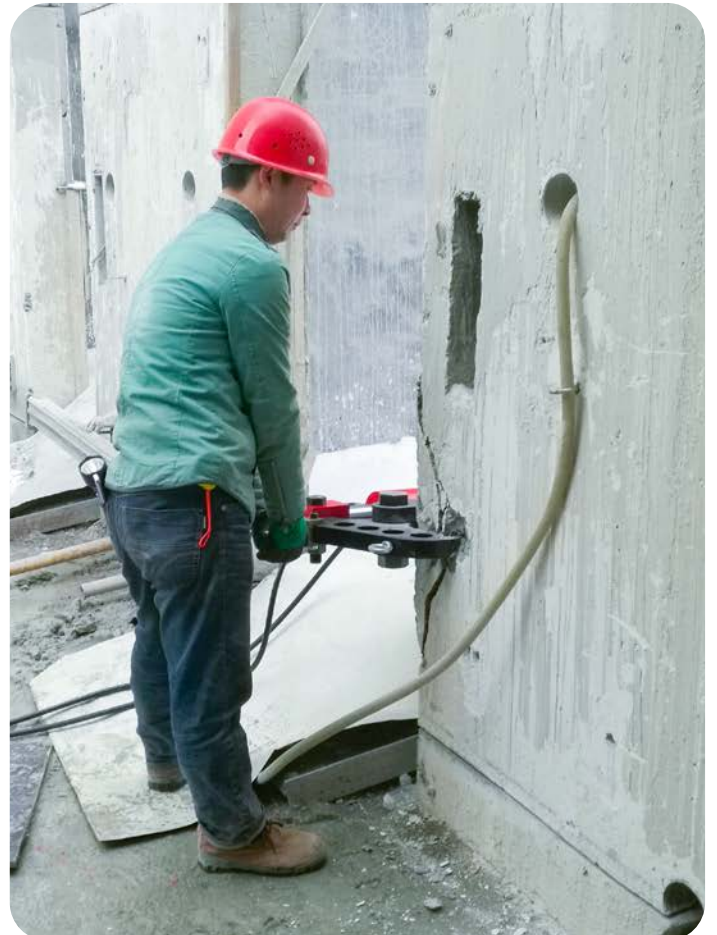
# PROJECT CASES

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# PROJECT CASES

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EXHIBITION





## CERTIFICATE OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

Certificate No.016ZB20Q32287R0S  
Unified social credit code:9161013173508839XJ

This is to Certify that the Quality Management System of

**XI AN OUKAI HI-TECH CO., LTD.**

is in conformity with  
GB/T19001-2016 idt ISO9001:2015 Standard, applies to

DESIGN, DEVELOPMENT, MANUFACTURING AND SALES OF DIAMOND DRILLING AND  
CONCRETE CUTTING MACHINES

REGISTERED ADDRESS:NO.702, BLDG 3, FENGZE SCIENCE AND TECHNOLOGY PARK, NO.170,  
WEST AVE, XILIU STREET OFFICE, HI-TECH ZONE, XI'AN, SHAANXI PROVINCE, P.R.C.  
OPERATION ADDRESS:NO.702, BLDG 3, FENGZE SCIENCE AND TECHNOLOGY PARK, NO.170,  
WEST AVE, XILIU STREET OFFICE, HI-TECH ZONE, XI'AN, SHAANXI PROVINCE, P.R.C.

Date of Initial Issuance: Oct. 27, 2020  
Date of Expiration: Oct. 26, 2023

BCC Inc.  
President:

尚志强



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CNAS C016-M



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