



**MINYU MACHINERY CORP., LTD.**

***PRODUCT CATALOG***



[www.minyu.com](http://www.minyu.com)

## INTRODUCTION

**Address :** No. 7-2, San-Hu Li, Yangmei City 32669, Taoyuan, Taiwan

**Date of Incorporation :** January 11, 1966

**Capital :** NT\$362 Million (US\$ 11 Million)

**President :** Ming-Yih Cheng

**Products:** Mining Machinery

## HISTORY

- 1965** Founding of Minyu Machinery Corporation in Taiwan.
- 1966** Acquisition of the company's first business license, issued by the Ministry of Economy on January 11, which is the official anniversary of Minyu.
- 1970** First export of mining machines into many Asian countries, first distributor in South East Asia a few years later.
- 1973** Factory relocated to Yangmei in Taoyuan County.
- 1984** First export of mining machines to the United States, appointment of first distributor in the United States.
- 1989** First export of mining machines to Europe, first distributor in Europe.
- 1995** First export of mining machines to Australia, appointment of distributor for Australia and New Zealand.
- 1995** First export of mining machines to Japan.
- 1999** First distributor for North East Asia.
- 1999** ISO 9002 and Taiwan Excellence Award granted.
- 2000** ISO 9001:2000 accredited.
- 2002** First export of mining machines to India, first distributor in South Asia.
- 2004** First export of mining machines to Africa, appointment of distributor in Algeria.
- 2004** First export of mining machines to South America, appointment of distributors in Colombia and Ecuador one year later.
- 2005** First export of mining machines to Mainland China, appointment of distributor in China.
- 2007** First export of mining machines into the Middle East region.
- 2008** First export of mining machines to Russia.
- 2009** Minyu Machinery Corp.,Ltd. ISO9001:2008 accredited
- 2010** Minyu Crushers acquire European CE certification



THE WORLD'S BEST IS MADE IN TAIWAN



ISO 9001:2000



CE-CERTIFICATE

QUALITY

SERVICE

FRIENDSHIP



Planning • Designing • Manufacturing • Installing



# Cone Crusher

STANDARD SERIES



MINYU

## FEATURES

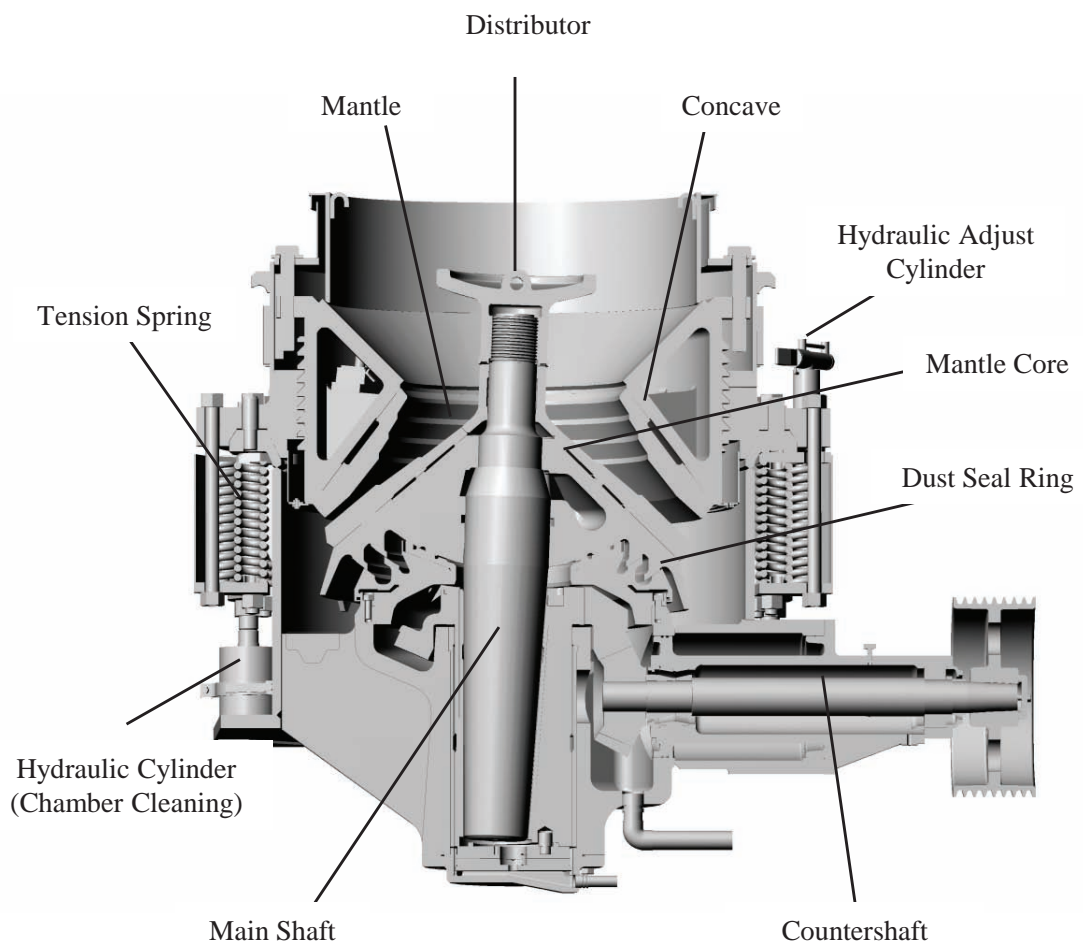


### VALUABLE MINYU STANDARD CONE CRUSHER SERIES

Minyu Cone Crushers have been widely used in various quarry and aggregate applications worldwide for more than four decades. There are generally four types of Standard Cone Crushers manufactured by Minyu: the MCC Standard coarse type, the MCF fine or medium type, the MCS Short Head type & MCSS Super Fine Type.

All four types are designed for secondary or tertiary crushing purposes both in stationary and portable applications for highly abrasive materials.

### CONSTRUCTION OF A MINYU STANDARD SERIES CONE CRUSHER



## FEATURES OF MINYU STANDARD CONE CRUSHER



Simplicity of design and rugged construction have made Minyu Cone Crushers ideal for crushing operations. For the most efficient and economical production, a wider range of Minyu Cone Crusher models are available for you to choose from. Minyu Cone Crushers are proven one of the most well balanced crushers in the world.

### SOLID FRAME

The top and bottom sections of the frame are securely fastened together by tension bolts. Both sections are made of special cast and heat-treated steel capable of withstanding strong impact during the operations. A rib liner is provided inside the bottom section of the frame to help protect it from wear.



Main Parts Warehouse



Minyu Annealing Furnace

## FEATURES



### ELECTRIC HYDRAULIC ADJUSTING AND LIFTING SYSTEMS

The adjustment of the top cell is made easy by simply rotating the hydraulic rams. Changeovers of discharge openings are fast, downtime is minimized, and the production requirements are accurately met.

In case of power failure, the clogged material inside the crushing chamber can be cleared with the hydraulic lifting system.



Hydraulic Tank



Lubrication Tank

### LUBRICATION

The external lubrication unit will maintain stable oil supply to the machine for smooth rotation by forced lubrication.





## SAFETY DEVICE

The spring-loaded release system allows any uncrushable material to pass through without causing any damage.

The lubrication unit is interlocked with the main motor for additional safety as a standard feature.



Safety Device of Lubrication System



Oil Temperature Controller

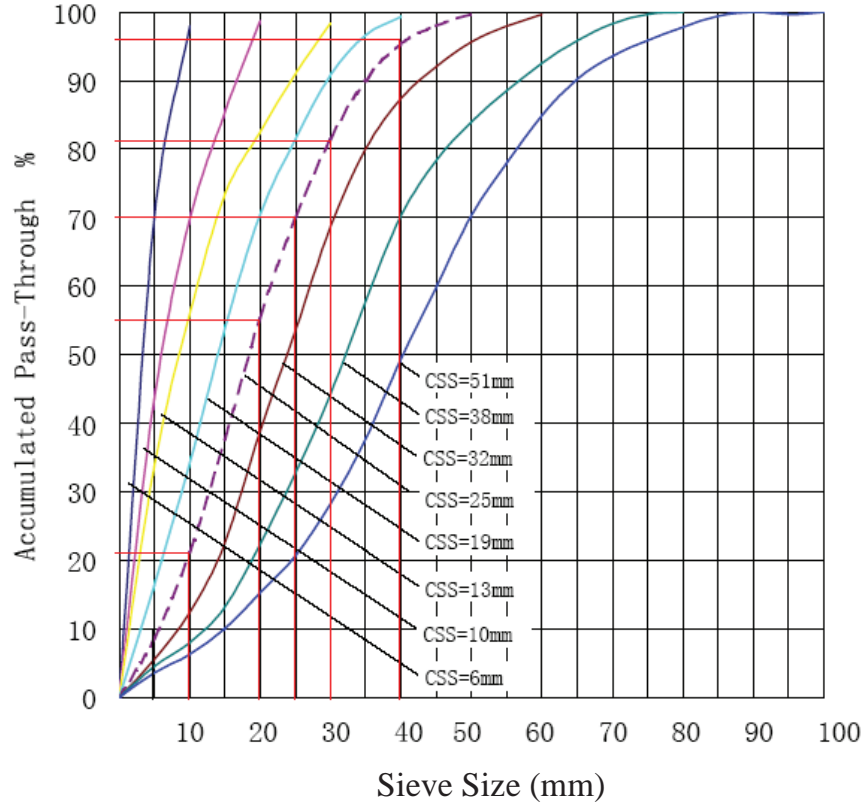


Two Production Lines each at 400TPH Throughput with Minyu Crushers in Central Taiwan.

# SPECIFICATIONS



## GENERAL GRADATION CURVES



All parameters are for reference only & subject to change without notice.



Crushing & Screening Plant at 100TPH Throughput in Morocco.

## GENERAL SPECIFICATIONS OF MINYU STANDARD TYPE CONE CRUSHER

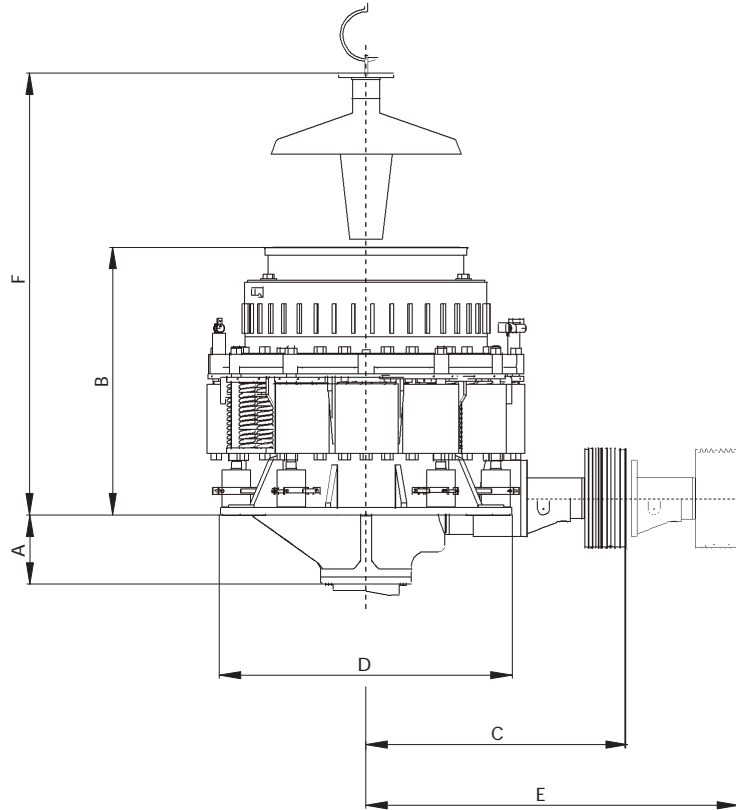
| Model No. | Max. Feed Opening (mm) | Min. Discharge Opening (mm) | RPM | Motor Rating (kW) | Throughput (TPH) at Closed Side Discharge Opening (mm) |     |     |     |     |     |     |     |     |     | Weight (kg) |       |
|-----------|------------------------|-----------------------------|-----|-------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-------|
|           |                        |                             |     |                   | 6  | 10  | 13  | 16  | 19  | 22  | 25  | 38  | 51  | 64  |             |       |
| MCC600    | 95                     | 10                          | 630 | 37~45             |  | 20  | 25  | 30  | 35  | 45  | 50  | 76  |     |     | 5300        |       |
| MCF600    | 72                     | 6                           | 630 | 37~45             | 18   | 20  | 25  | 30  | 35  | 40  | 45  | 60  |     |     | 5300        |       |
| MCC1000   | 160                    | 13                          | 630 | 90~110            |  |     | 80  | 100 | 135 | 150 | 175 | 235 |     |     | 10800       |       |
| MCF1000   | 115                    | 10                          | 630 | 90~110            |  | 65  | 75  | 90  | 120 | 135 | 150 |     |     |     | 10800       |       |
| MCS1000   | 80                     | 8                           | 630 | 90~110            |  | 52  | 62  | 72  | 78  | 115 |     |     |     |     | 10510       |       |
| MCSS1000  | 50                     | 6                           | 630 | 90~110            | 50   | 55  | 65  | 70  | 102 |     |     |     |     |     | 10510       |       |
| MCC1150   | 180                    | 13                          | 610 | 110~132           |  |     | 115 | 135 | 150 | 180 | 200 | 260 |     |     | 15500       |       |
| MCF1150   | 130                    | 10                          | 610 | 110~132           |  | 100 | 110 | 120 | 135 | 165 | 175 |     |     |     | 15500       |       |
| MCS1150   | 90                     | 10                          | 610 | 110~132           |  | 80  | 105 | 110 | 140 |     |     |     |     |     | 15500       |       |
| MCSS1150  | 60                     | 6                           | 610 | 110~132           | 60   | 74  | 105 | 110 | 130 |     |     |     |     |     | 15500       |       |
| MCC1300   | 200                    | 16                          | 610 | 132~160           |  |     |     | 150 | 180 | 200 | 230 | 310 | 390 |     | 22300       |       |
| MCF1300   | 150                    | 13                          | 610 | 132~160           |  |     |     | 115 | 145 | 160 | 190 | 210 |     |     | 22300       |       |
| MCS1300   | 102                    | 10                          | 610 | 132~160           |  | 90  | 115 | 140 | 160 |     |     |     |     |     | 22300       |       |
| MCSS1300  | 70                     | 8                           | 610 | 132~160           |  | 88  | 110 | 135 | 155 |     |     |     |     |     | 22300       |       |
| MCC1370   | 215                    | 19                          | 610 | 185~220           |  |     |     |     | 200 | 220 | 260 | 350 | 440 |     | 26300       |       |
| MCF1370   | 160                    | 16                          | 610 | 185~220           |  |     |     |     | 155 | 180 | 200 | 220 |     |     | 26300       |       |
| MCS1370   | 115                    | 13                          | 610 | 185~220           |  |     |     |     | 150 | 190 | 210 | 230 |     |     | 26300       |       |
| MCSS1370  | 76                     | 8                           | 610 | 185~220           |  | 122 | 148 | 185 | 200 |     |     |     |     |     | 26300       |       |
| MCC1500   | 235                    | 22                          | 560 | 185~225           |  |     |     |     |     | 265 | 310 | 420 | 525 | 580 | 37750       |       |
| MCF1500   | 175                    | 19                          | 560 | 185~225           |  |     |     |     |     | 215 | 240 | 265 | 320 |     | 37750       |       |
| MCS1500   | 130                    | 13                          | 560 | 185~225           |  |     |     |     |     | 180 | 210 | 235 | 255 | 275 | 37750       |       |
| MCSS1500  | 90                     | 10                          | 560 | 185~225           |  | 148 | 178 | 200 | 220 |     |     |     |     |     | 37750       |       |
| MCC1680   | 267                    | 22                          | 560 | 250~300           |  |     |     |     |     |     | 330 | 390 | 525 | 655 | 725         | 44300 |
| MCF1680   | 203                    | 16                          | 560 | 250~300           |  |     |     |     |     |     | 230 | 270 | 300 | 330 |             | 44300 |
| MCS1680   | 140                    | 13                          | 560 | 250~300           |  |     |     |     |     |     | 185 | 225 | 265 | 340 |             | 44300 |
| MCSS1680  | 95                     | 10                          | 560 | 250~300           |  |     |     |     |     |     | 180 | 220 | 260 | 335 |             | 44300 |

\* Capacity/Throughput based on continuous regulated feed of clean, dry limestone of normal hardness with a bulk density of 1.6 ton/m<sup>3</sup>. Capacity may vary +/- 25% with the size and nature of the rock and the working conditions of the plant.

# SPECIFICATIONS



## APPROXIMATE GENERAL DIMENSIONS



| Section (mm)<br>Model No. | A   | B    | C    | D    | E    | F    |
|---------------------------|-----|------|------|------|------|------|
| 600                       | 345 | 1146 | 1105 | 1250 | 1750 | 1920 |
| 1000                      | 395 | 1554 | 1546 | 1530 | 2200 | 2800 |
| 1150                      | 522 | 1690 | 1670 | 1760 | 2415 | 3000 |
| 1300                      | 609 | 1927 | 1920 | 2020 | 2800 | 3500 |
| 1370                      | 612 | 2151 | 1965 | 2200 | 2830 | 3900 |
| 1500                      | 730 | 2372 | 2216 | 2450 | 3170 | 4300 |
| 1680                      | 860 | 2183 | 2107 | 2860 | 3550 | 4700 |

All parameters are for reference only & subject to change without notice.

## WEIGHT OF MAJOR SUB-ASSEMBLIES

| MODEL (Tons)            | 600  | 1000 | 1150 | 1300 | 1370 | 1500 | 1680  |
|-------------------------|------|------|------|------|------|------|-------|
| PARTS                   |      |      |      |      |      |      |       |
| Lower Frame + Top Frame | 2.25 | 5.3  | 7.3  | 11   | 13   | 17.6 | 21.75 |
| Upper Frame – Top Frame | 0.9  | 2.2  | 3.2  | 4.4  | 5.5  | 7.9  | 12.85 |
| Eccentric Seat          | 0.25 | 0.5  | 0.65 | 1.1  | 1.25 | 2.1  | 2.3   |
| Main Shaft              | 0.48 | 1.3  | 2.1  | 3.1  | 3.75 | 5.9  | 7.4   |
| Countershaft            | 0.34 | 0.6  | 0.75 | 1.0  | 1.0  | 1.7  | 1.32  |

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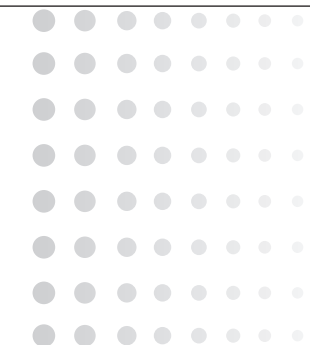
Cone Crusher 400TPH in Central Taiwan.



Two Cone Crusher Models MCC1150 in France.

Many factors including but not limited to the feeding method, the material characteristics, the speed, the power applied, the hardness or compressive strength, and the mineral and moisture content of the material, may & will affect production capacities and gradations. Minyu Machinery Corp., Ltd. does not guarantee production or gradation results presented in this literature. All technical info, data and results should be used for reference only as they will vary with different field applications or operating conditions. All technical data and specifications details are subject to change without notice, in course of continuous improvement purposes.





*Quality . Service . Friendship*



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