



**ALLU M -Series**  
**for soft rock crushing**  
*Smart mobile mining technology*

# **ALLU M -Series**

## **Innovative attachment for soft rock mining**



### **ALLU - More production, mobility and efficiency to mining**

- ◆ Converts the base machine into a mobile processing plant
- ◆ Crushing and loading in one step operation
- ◆ Waste / oversize material can be separated simultaneously on site in one step operation
- ◆ High mobility of the processing plant on site
- ◆ Reduced investment and operating costs
- ◆ High production rate and cost efficiency
- ◆ No need for site electrics
- ◆ Lower carbon footprint
- ◆ Lower transportation costs
- ◆ Saves fuel & energy
- ◆ Positive environmental effects

### **Crushing & Loading soft rock materials in one step**

- ◆ Talc
- ◆ Coal
- ◆ Kaolin
- ◆ Calcite
- ◆ Gypsum
- ◆ Oil shale
- ◆ Rock salt
- ◆ Dolomite
- ◆ Lime stone
- ◆ Sand stone

Other similar materials,  
hardness between Moh 1 - 4



# ***ALLU is designed for soft rock mining***

Investment and running costs, reliable equipment and efficient material flow are key issues in any mining operation. In response to these demands ALLU Finland has developed a cost-effective method for processing soft rock materials.

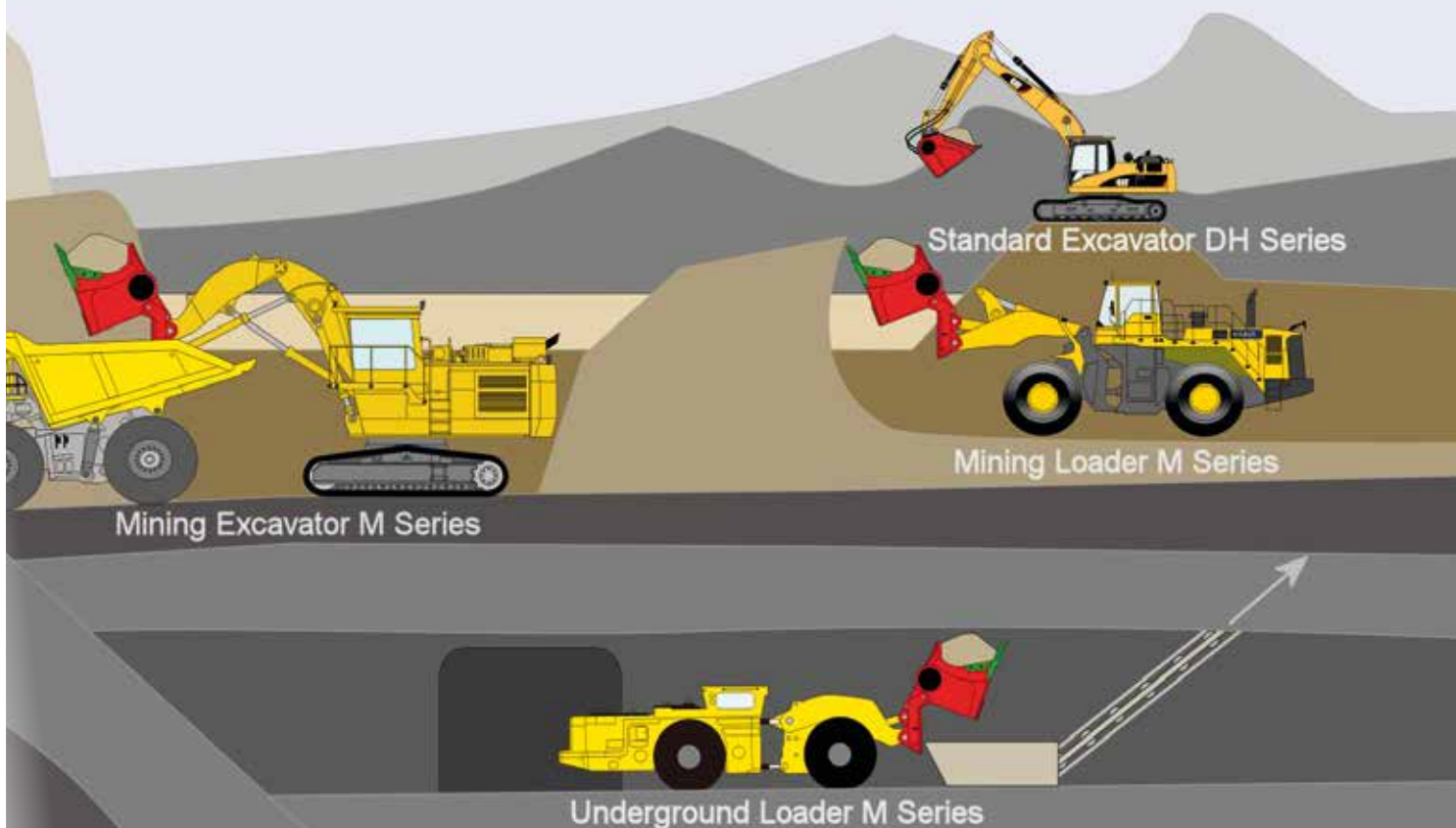
This is done by converting existing loaders and excavators into effective primary and secondary crushing and screening machinery by using ALLU Screener Crusher technology.

## **Mining with ALLU**

Crushing and loading the raw material is completed in one step. This reduces the need of buffer storage areas and material transportation.

Investment costs are lower compared to big stationary processing stations. Transportation from one site to another is easy and fast, no expensive special arrangements are needed. There is also no need for on site electrics.

Whether a small mine, a contractor working in several mining operations, or a large opencast mine, ALLU's one-step crushing and loading method helps to reduce costs and boosts efficiency. End users, such as power plants, storage areas, harbours and classification sites can also benefit from the method.



# ALLU M-Series for Mining Industry

## When loading is not enough

### Mining operations



ALLU M Series mounted on an excavator is recommended for primary work in the mines, because of work speed & reach which results in almost double the processing capacity compared to a slow moving wheel loader as carrier.

### Secondary operations



ALLU M Series mounted on wheel loaders are recommended for secondary and service work for instance at harbours, power plants and storage areas, due to the mobility of the equipment.

The ALLU M series attachment provides an easy and very efficient solution when solving any problems in production or in the transportation of material heaps that are frozen in winter or clogged up because of moisture.



### Intelligent equipment

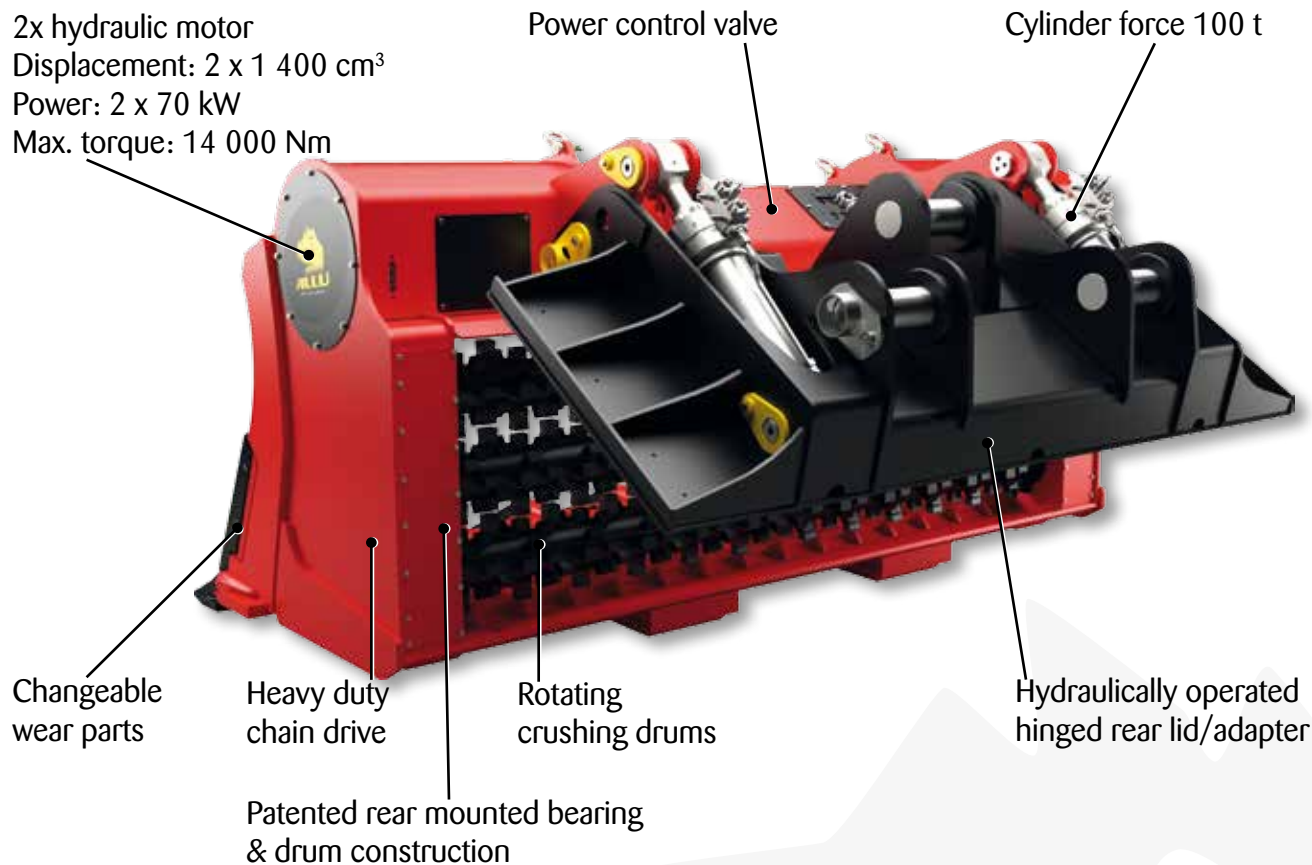
- ◆ Touch screen monitor inside cabin
- ◆ Assists the operator
- ◆ Hydraulics, parts temperature & productivity monitoring

- ◆ Prevents break down before happening
- ◆ Mobile data uplink to service terminal
- ◆ Real time after sales service
- ◆ Operating time recording
- ◆ Parts condition monitoring



# ALLU M -Series for Mining Industry

## Main components



## Excavators 50 - 160 t operating weight



Model	Carrier	Volume	Weight	Capacity
M 3-20	50 - 70 t	3,8 m <sup>3</sup>	7 000 kg	350 t/h
M 3-25	70 - 120 t	4,7 m <sup>3</sup>	9 000 kg	500 t/h
M 4-25	120 - 160 t	6,2 m <sup>3</sup>	12 000 kg	600 t/h

## Wheel loaders 30 - 90 t operating weight



Model	Carrier	Volume	Weight	Capacity
M 3-27	30 - 50 t	4,5 m <sup>3</sup>	7 500 kg	250 t/h
M 3-32	50 - 70 t	6,5 m <sup>3</sup>	10 500 kg	350 t/h
M 4-32	60 - 90 t	8,5 m <sup>3</sup>	13 500 kg	450 t/h

ALLU M Series is a hydraulic attachment powered by the carrier and it requires 2-way auxiliary hydraulic circuit installation.

Flow settings..... 300 - 440 l/min  
Pressure settings..... 350 bar max  
Max input power..... 140 kW

Note! The capacities are guidelines only and may vary depending on material density and working conditions.



**ALLU DOES IT ALL...**



### **ALLU M -Series for Mining Industry**

With ALLU you can screen, crush, mix, separate, and load soft rock materials in one step operation



#### **Headquarter**

##### **ALLU Finland Oy**

Jokimäentie 1,  
16320 Pennala,  
FINLAND  
Tel: +358 3 882 140  
Fax: +358 3 882 1440  
Email: info@allu.net

#### **Germany**

##### **ALLU Deutschland GmbH**

Klöcknerstraße 3,  
32257 Bünde, GERMANY  
Tel: +49 5223 180 150  
Fax: +49 5223 180 1515  
Email: deutschland@allu.net

#### **France**

##### **ALLU France S.A.R.L**

180, ZA les Bruottées  
21200 Vignoles, FRANCE  
Tel: +33 3 80 24 04 34  
Fax: +33 3 80 24 04 36  
Email: france@allu.net

#### **North America**

##### **ALLU Group Inc.**

700 Huyler Street, Teterboro,  
New Jersey 07608, USA  
Toll Free: 800-939-ALLU (2558)  
Tel: +1 (201) 288-2236  
Fax: +1 (201) 288-4479  
Email: usa@allu.net

#### **United Kingdom**

##### **ALLU UK Ltd.**

29 My Lady's Mile,  
Holywood Co. Down,  
N. IRELAND BT18 9EN  
Tel: +44 2890 428 822  
Email: uk@allu.net

#### **Sweden**

##### **ALLU Sverige AB**

Stenvretsgatan 1  
SE-749 40 Enköping,  
SWEDEN  
Tel: +46 (0)171-17 15 17  
Email: sverige@allu.net

#### **ALLU Sales office China**

29G Liang Feng Building,  
8 Dongfang Road,  
200120 Shanghai,  
P.R. CHINA  
Tel: +86 21 5888 5836  
Fax: +86 21 5888 5801

#### **ALLU Sales office South America**

Virrey Olaguer y Feliú 2479 EP  
1426 Buenos Aires,  
ARGENTINA  
Tel: +54 11 4865 2378  
Fax: +54 11 4865 2378  
Email: sudamerica@allu.net

### **Dealer**



2-M-eng



For more information go to [www.allumining.net](http://www.allumining.net)