

A large-scale rock quarry with a yellow excavator in the foreground. The background shows a massive, layered rock face with a grid of vertical and horizontal lines, likely from drilling or blasting. The foreground is a dusty, rocky area with a yellow excavator and some concrete structures.

**SOMANI**

# ROCK MINING SOLUTIONS

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

**► SOMANI**  
**WIRE SAW**  
**MACHINE**

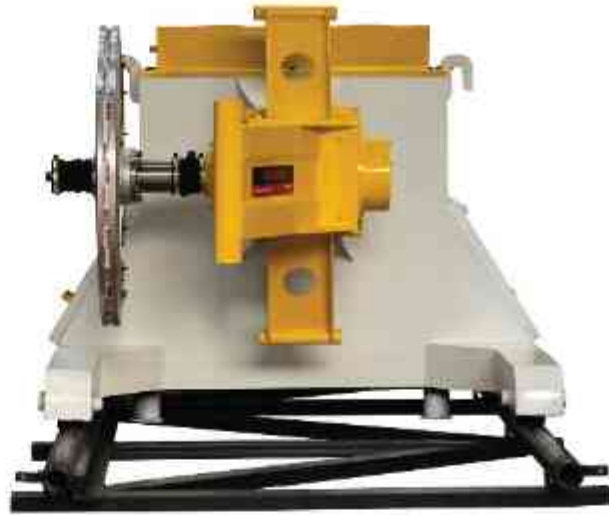


We manufacture Wire Saw in 20HP, 40HP, 60HP and 75HP variants. All components for machines are manufactured inhouse on automated machines. Our machines are bigger, heavier and more rigid than other machines in market providing better stability in heavy cuts.

***It can cut in 360 degrees and facilitates the mining & dressing of blocks.***

| Technical Details                 |                                |                                |                                |                                |
|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| DESCRIPTION                       | 20HP                           | 40HP                           | 60HP                           | 75HP                           |
| Type of machine                   | Direct Drive                   | Gearbox Type                   | Gearbox Type                   | Gearbox Type                   |
| Output RPM                        | 960                            | 630                            | 630                            | 630                            |
| Required Power Supply             | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz |
| Main Motor                        | 20HP 960RPM                    | 40HP 1440RPM                   | 60HP 1440RPM                   | 75HP 1440RPM                   |
| Feed Motor                        | 1HP/2HP<br>DC/AC               | 1HP/2HP<br>DC/AC               | 1HP/2HP<br>DC/AC               | 2HP<br>DC/AC                   |
| Total Track (Railing) Length      | 20 Feet                        | 20 Feet                        | 20 Feet                        | 20 Feet                        |
| Alluminium Flywheel Ring Diameter | 625 MM                         | 790 MM                         | 790 MM                         | 790 MM                         |

**► SOMANI**  
**SINGLE SHAFT**  
**WIRE SAW**  
**MACHINE**



More rigid gearbox than Conventional wire saw



Maintenance-free as the spindle and shaft is a single unit



The flywheel is easily be changeable on site



Easy movement of the flywheel on the shaft



Complete movement of the wheel and the gearbox can be operational using a single spanner

**► RCC CUTTING**  
**WIRE SAW**  
**MACHINE**



We manufacture RCC cutting wire saws in 15 HP, 20 HP, 25 HP, and 30 HP variants. Machine is designed to be lightweight yet rigid, making it optimal for RCC cutting.

**Technical Details**

| DESCRIPTION                       | 15HP                           | 20HP                           | 25HP                           | 30HP                           |
|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Type of machine                   | Direct Drive                   | Direct Drive                   | Direct Drive                   | Direct Drive                   |
| Output RPM                        | Variable<br>0-1440 RPM         | Variable<br>0-1440 RPM         | Variable<br>0-1440 RPM         | Variable<br>0-1440 RPM         |
| Required Water FLOW               | 10-15LTS/MIN                   | 10-15LTS/MIN                   | 10-15LTS/MIN                   | 10-15LTS/MIN                   |
| Required Power Supply             | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz | 415 Volts AC/<br>3 Phase; 50Hz |
| Main Motor                        | 15HP 960RPM                    | 20HP 1440RPM                   | 25HP 1440RPM                   | 30HP 1440RPM                   |
| Feed Motor                        | 1HP AC                         | 1HP AC                         | 1HP AC                         | 2HP AC                         |
| Total Track (Railing) Length      | 20 Feet                        | 20 Feet                        | 20 Feet                        | 20 Feet                        |
| Alluminium Flywheel Ring Diameter | 625 MM                         | 790 MM                         | 790 MM                         | 790 MM                         |

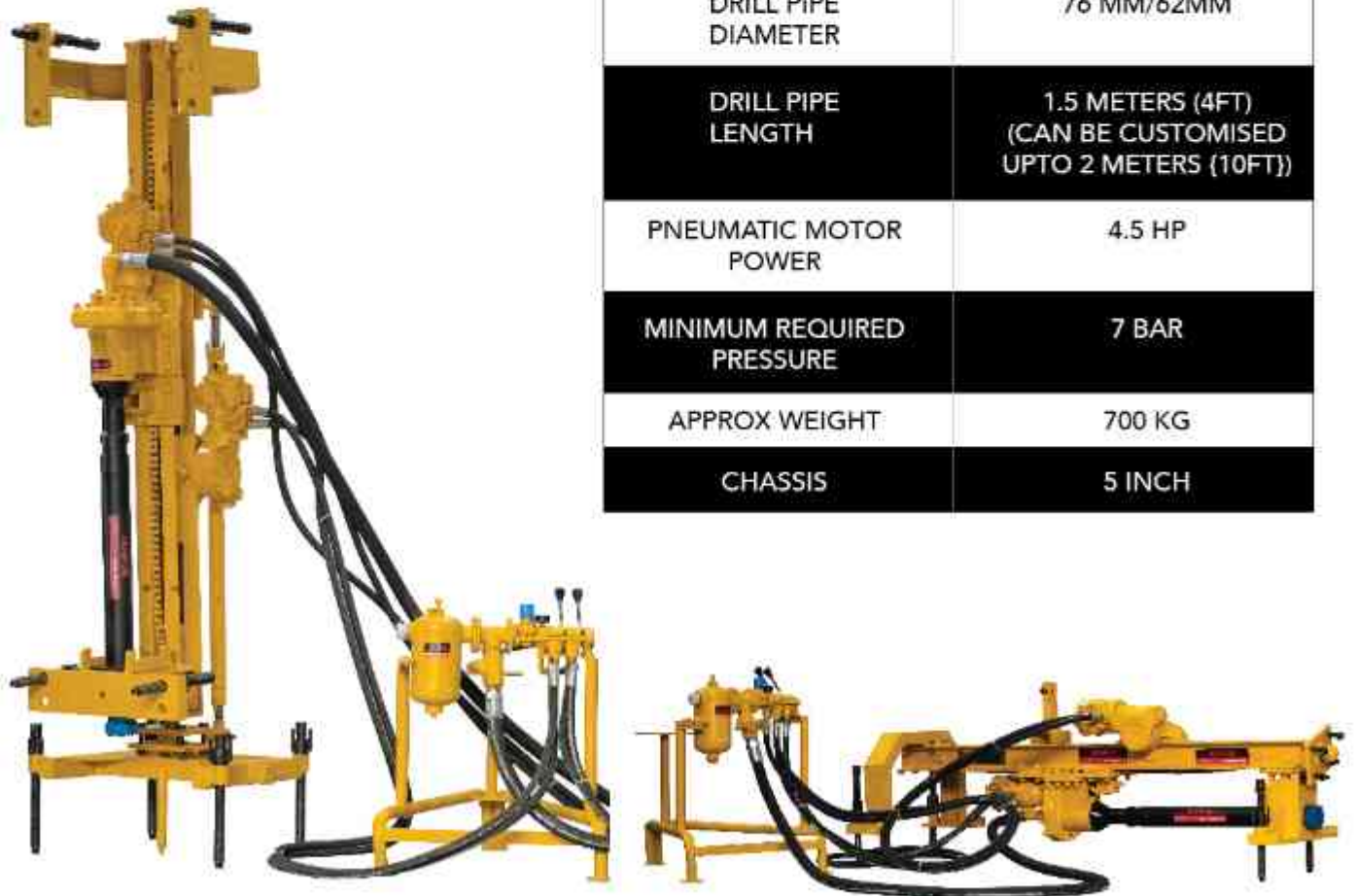
## ► SOMANI GREASE TYPE LD4

The LD4 Rock Drill Machine drills vertical and horizontal holes in hard rocks. This machine is the primary choice for stone quarries due to its versatility, compact design, and rigidity. The control panel is user-friendly hence can be handled by a single person.

The machine is usable for DTH drilling in mining, blast hole drilling, rock anchoring, and rock excavation.

The machine has Somani grease base motors which consume less air and provide up to 35% faster drilling speed.

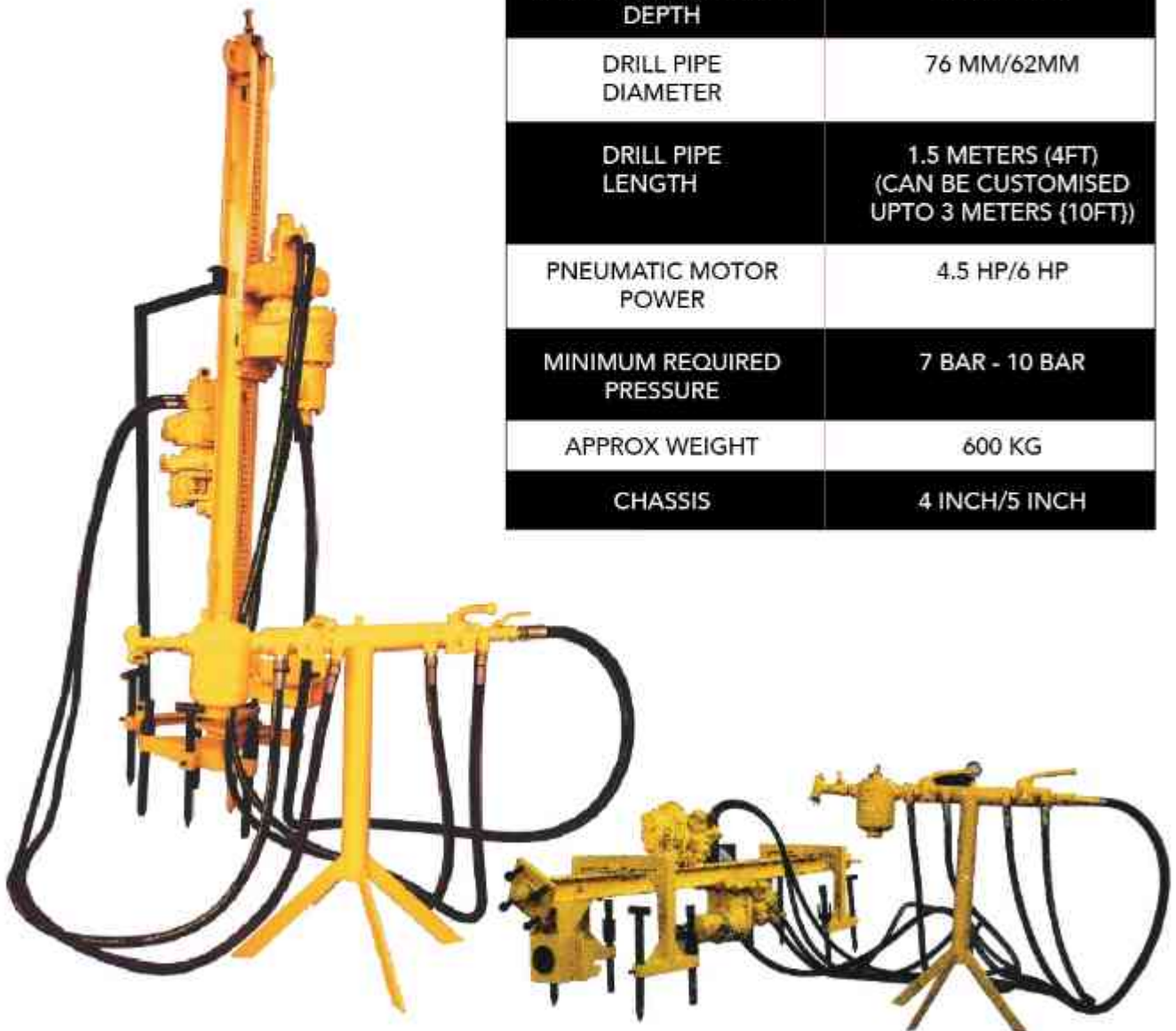
| Technical Details         |  |
|---------------------------|--|
| HOLE DIAMETER             | 3 INCHES-7 INCHES<br>(75MM-177MM)                            |
| VERTICAL DRILLING DEPTH   | 30 METERS  |
| HORIZONTAL DRILLING DEPTH | 20 METERS  |
| DRILL PIPE DIAMETER       | 76 MM/62MM   |
| DRILL PIPE LENGTH         | 1.5 METERS (4FT)<br>(CAN BE CUSTOMISED UPTO 2 METERS (10FT)) |
| PNEUMATIC MOTOR POWER     | 4.5 HP   |
| MINIMUM REQUIRED PRESSURE | 7 BAR  |
| APPROX WEIGHT             | 700 KG   |
| CHASSIS                   | 5 INCH   |



**► SOMANI**  
**OIL TYPE LD4**

LD4 Rock Drill Machine drills vertical and horizontal holes in hard rocks. The machine is the primary choice for stone quarries due to its versatility, compact design, and rigidity. Its control panel is user-friendly and is operational by a single person. Also, the machine is fit for DTH drilling in mining, blast hole drilling, and rock excavation.

| Technical Details         |  |
|---------------------------|--|
| HOLE DIAMETER             | 3 INCHES-7 INCHES<br>(75MM-177MM)                            |
| VERTICAL DRILLING DEPTH   | 30 METERS  |
| HORIZONTAL DRILLING DEPTH | 20 METERS  |
| DRILL PIPE DIAMETER       | 76 MM/62MM   |
| DRILL PIPE LENGTH         | 1.5 METERS (4FT)<br>(CAN BE CUSTOMISED UPTO 3 METERS (10FT)) |
| PNEUMATIC MOTOR POWER     | 4.5 HP/6 HP  |
| MINIMUM REQUIRED PRESSURE | 7 BAR - 10 BAR   |
| APPROX WEIGHT             | 600 KG   |
| CHASSIS                   | 4 INCH/5 INCH  |



## ► SOMANI DIAMOND WIRE ROPE

We provide high quality diamond wire saw rope for granite cutting, marble cutting and RCC cutting. Our products use specially developed TPU/Rubber for maximum output in rock and rcc cutting.



Faster cuts



Reduces cutting cost



Consistent performance

## ► SOMANI HYDRO WATER BAGS

Hydro bags are dilatation hydraulic cushion that consist of two high tensile steel sheets coupled together. These expand under water pressure, permitting a dilatation of 6 Inches- 10 Inches



Available Sizes :

1000 MM  
x  
1000 MM

1000 MM  
x  
500 MM



Total elimination of explosives



Elimination of hydraulic jacks



Less noise and dust



Increased safety

**▶ SOMANI  
SPARES**



Drill Rod



Rock Drill Hose



DTH Hammer &  
Button Bit



Wire Saw  
Rubber Ring



Wire Cutter



Crimping Tool

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