Powerking

www.powerkingmc.com

SUPER WEDGE

NO VIBRATION !
NO NOISE, NOBLASTING !
ENJOY SAFETY & EFFICIENCY !

Powerking Corporation

SUPER WEDGE

- ◆ Especially suitable
- → Downtown job site
- → Tunnel building where blasting is not allowed
- → Bedrock excavation at the new building consturction site

Working Process

1. Check and Classify the Rock

- ▶ Soft rock
- ▶ Normal rock
- ▶ Hard rock
- ▶ Very hard rock

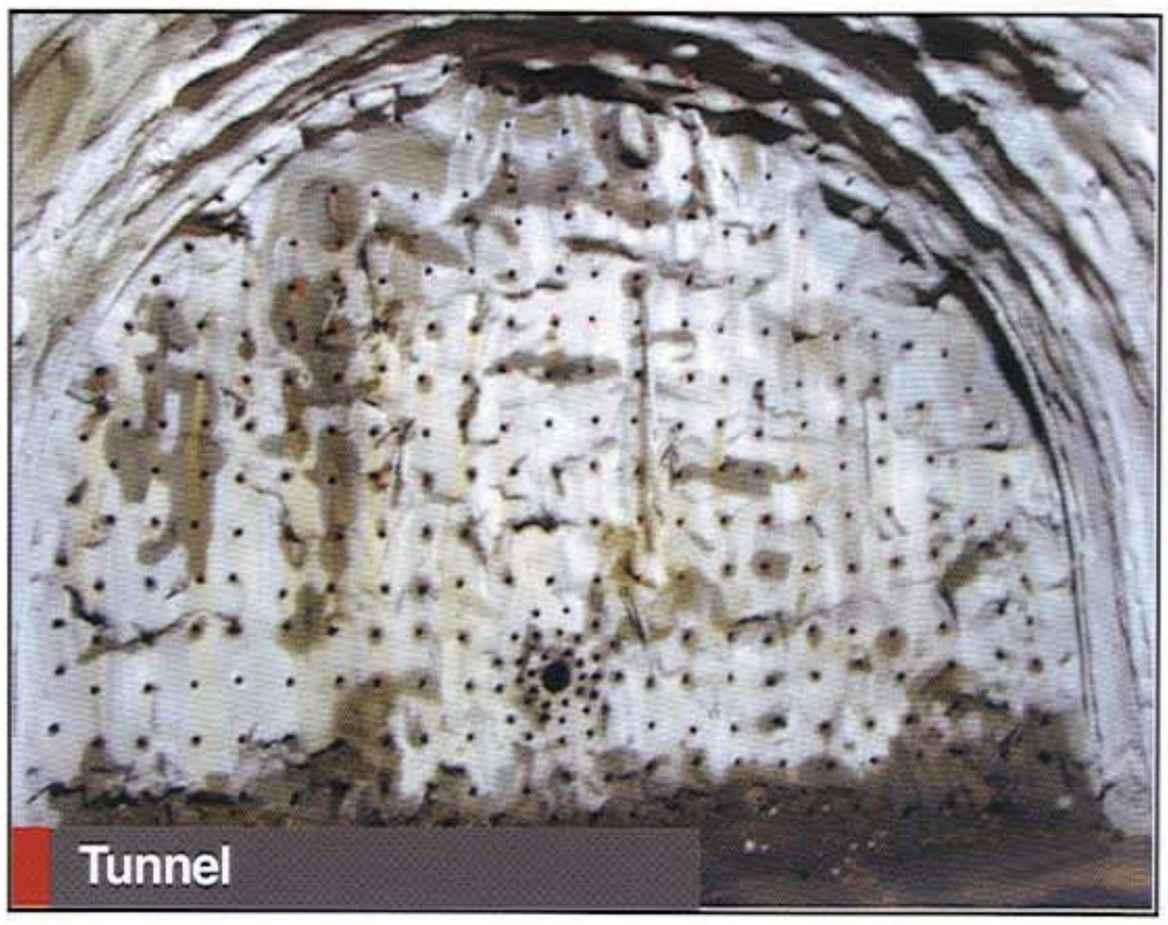
2. Drilling Distance Design

Kind of Rock	Drlling Distance (mm)	Wedge Depth (mm)
Soft rock	600 x 700	900
Normal rock	500 x 600	900
Hard rock	500 x 500	900
Very hard rock	450 x 450	900
Drilling diameter	Ø 76mm	

3. Drilling



Open site



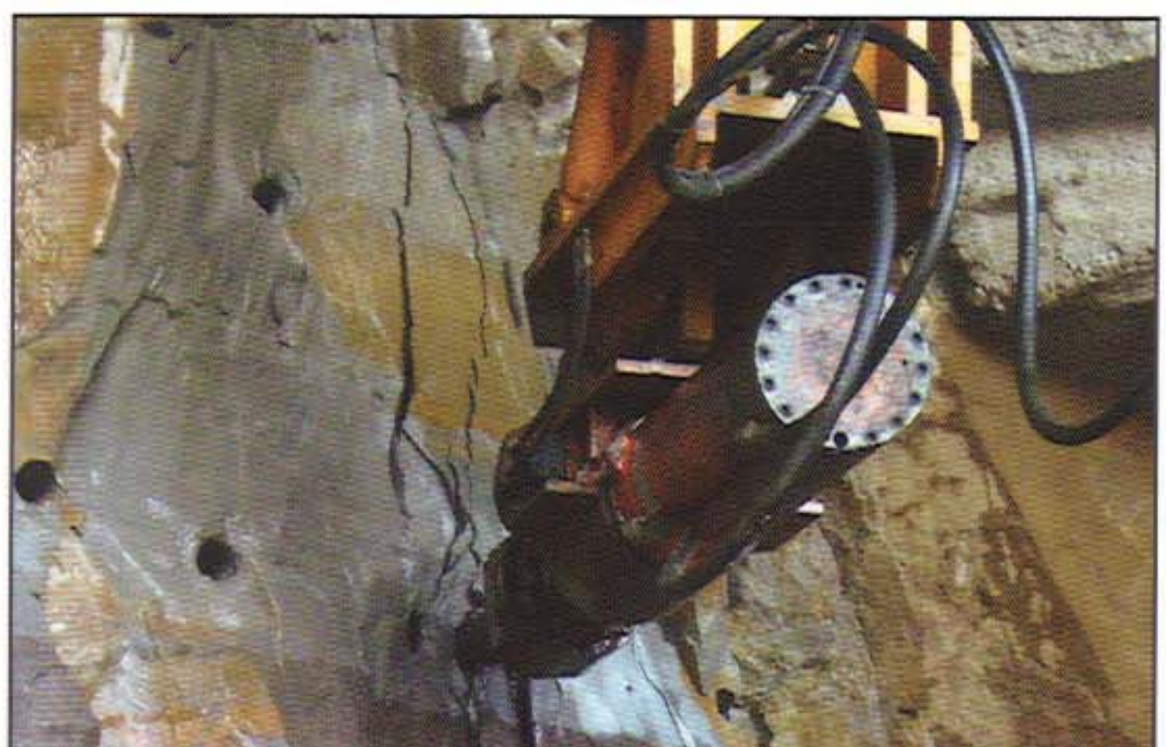
Tunnel

Safer than blasting!

4. Splitting

Splitting Width	20 mm
Splitting Power	2,400 ton
One cycle time	40 sec



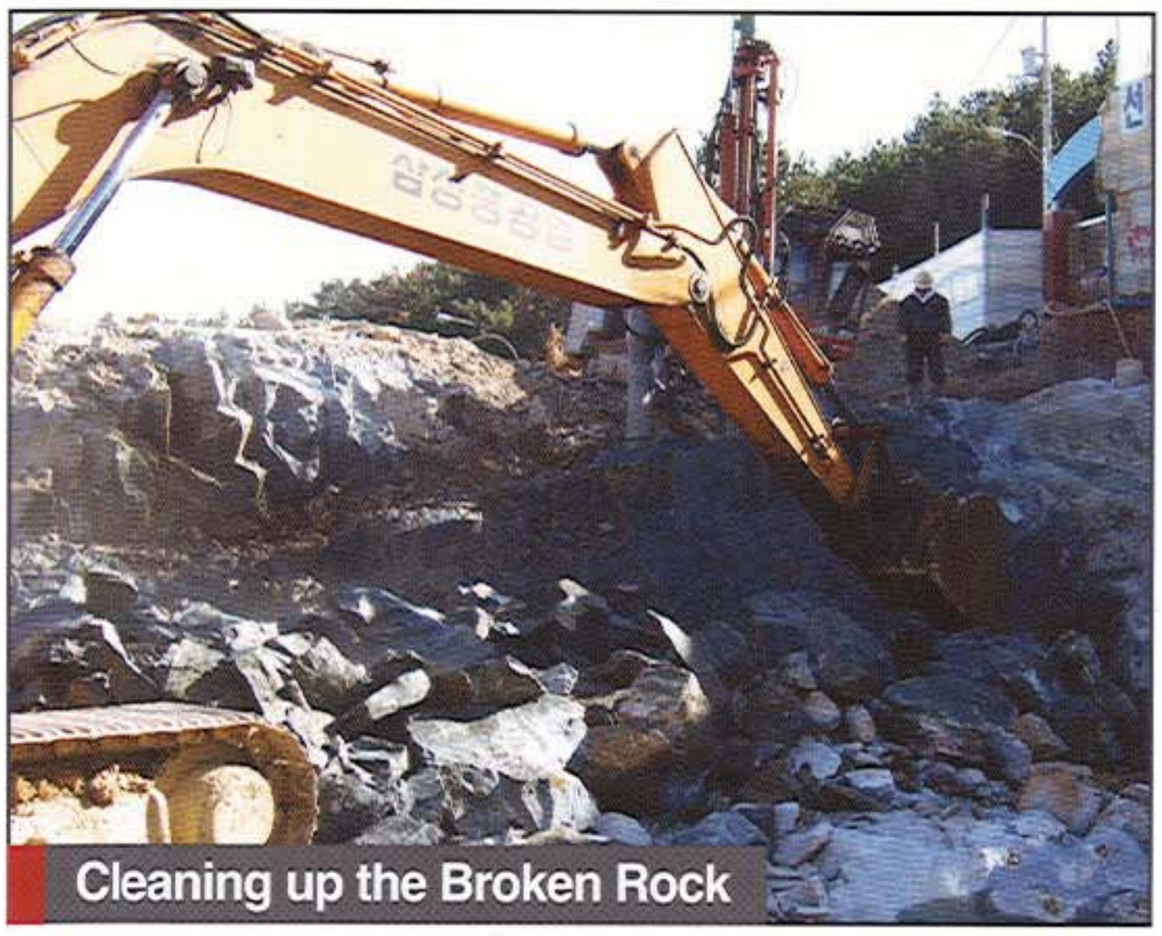


Rock Fractured



Rock Fractured

5. Cleaning



Cleaning up the Broken Rock



Cleaning up the Broken Rock

Powerful than Breaker!

SUPER WEDGE

Suitable job site for SuperWedge

1. Building basement Dig out





2. Road construction (downtown)





3. Pipe route construction





Minimizes Noise!

4. Vertical shaft construction

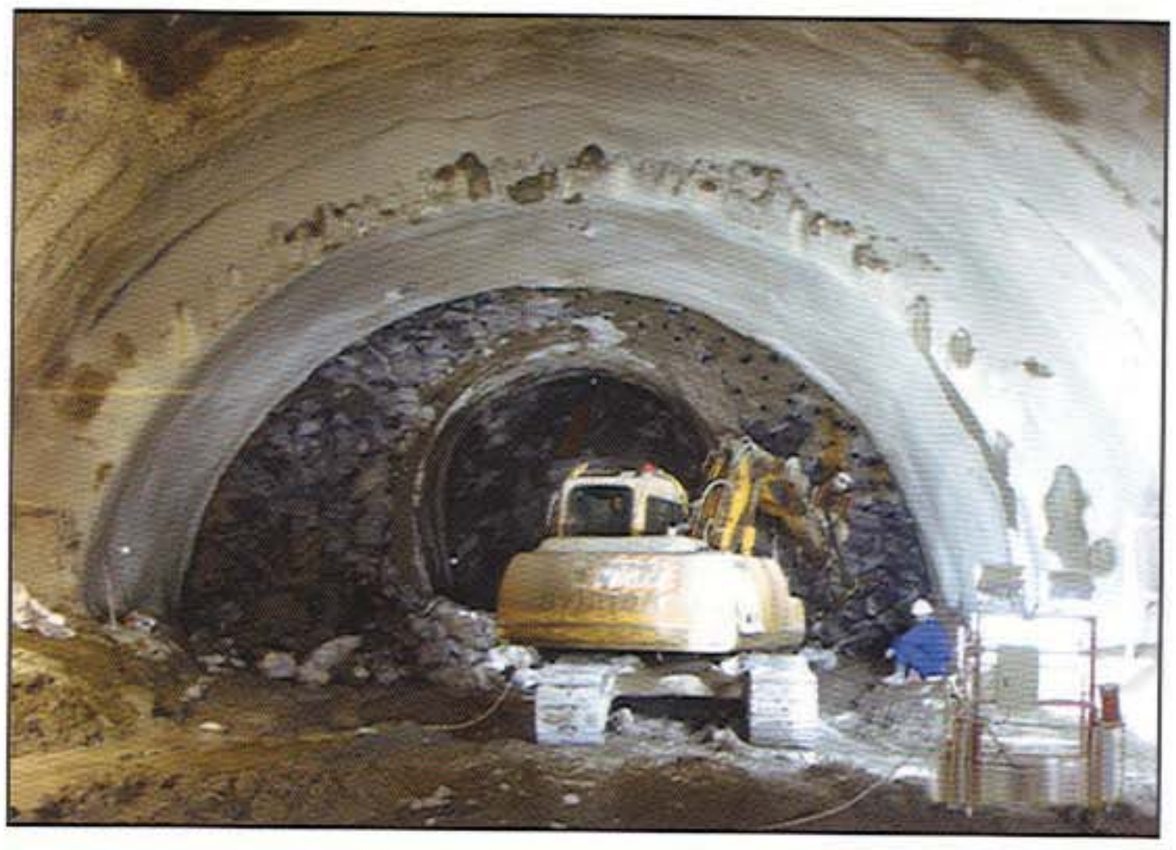




"Just One Excavator can do Splitting, Digging and Cleaning !"

5. Tunnel building at the sensitive area





Eliminates Vibration!

SUPER WEDGE

Super Power by Powerking SuperWedge

Rock breaking power is 2400 ton!!!


Especially for Hard Rock


Concrete Breaking at Downtown

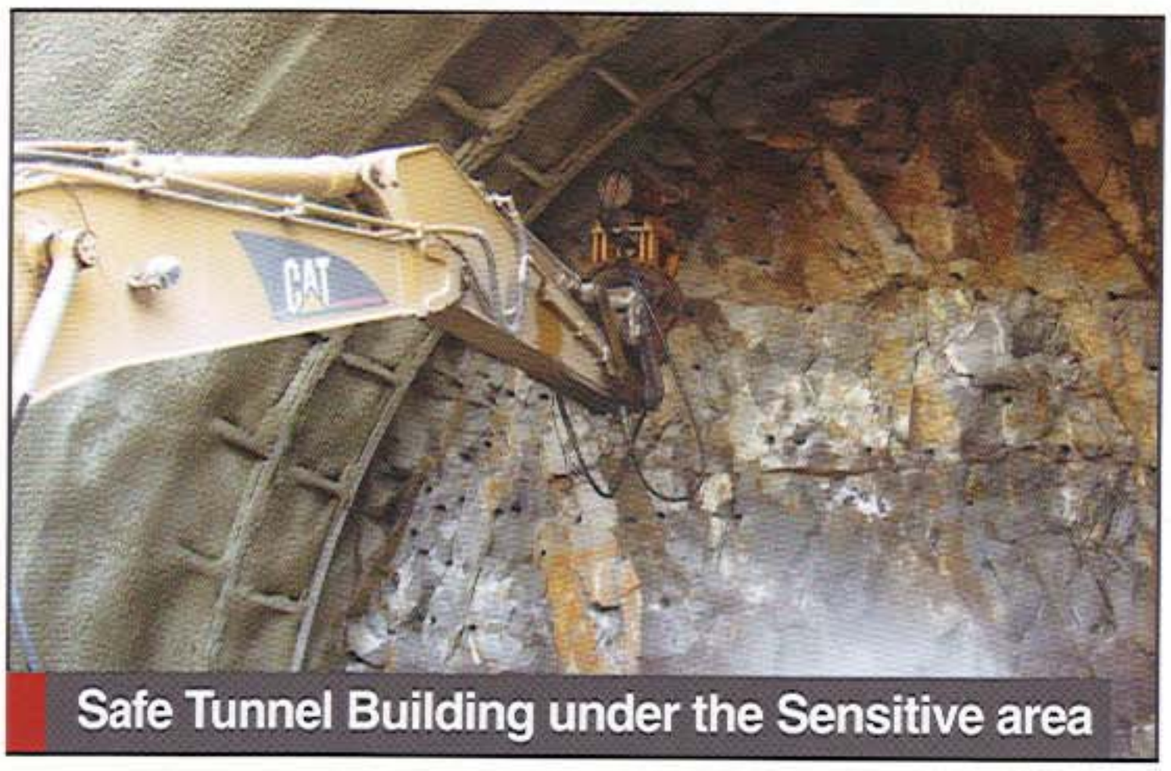
Non-Blasting, Noise free !!!



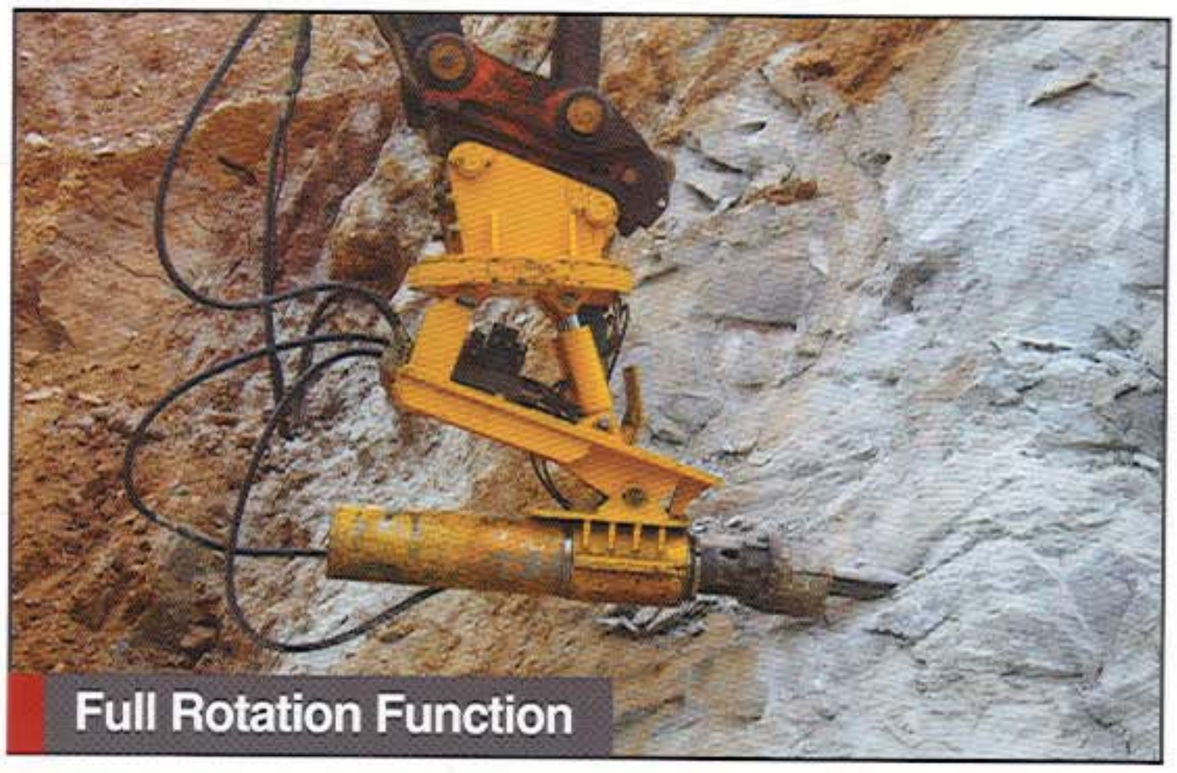
Down-town job site work is FREE!


Tunnel Scaleing

We do not need Hyd.Breaker, so no vibration, no noise and no civil-petition



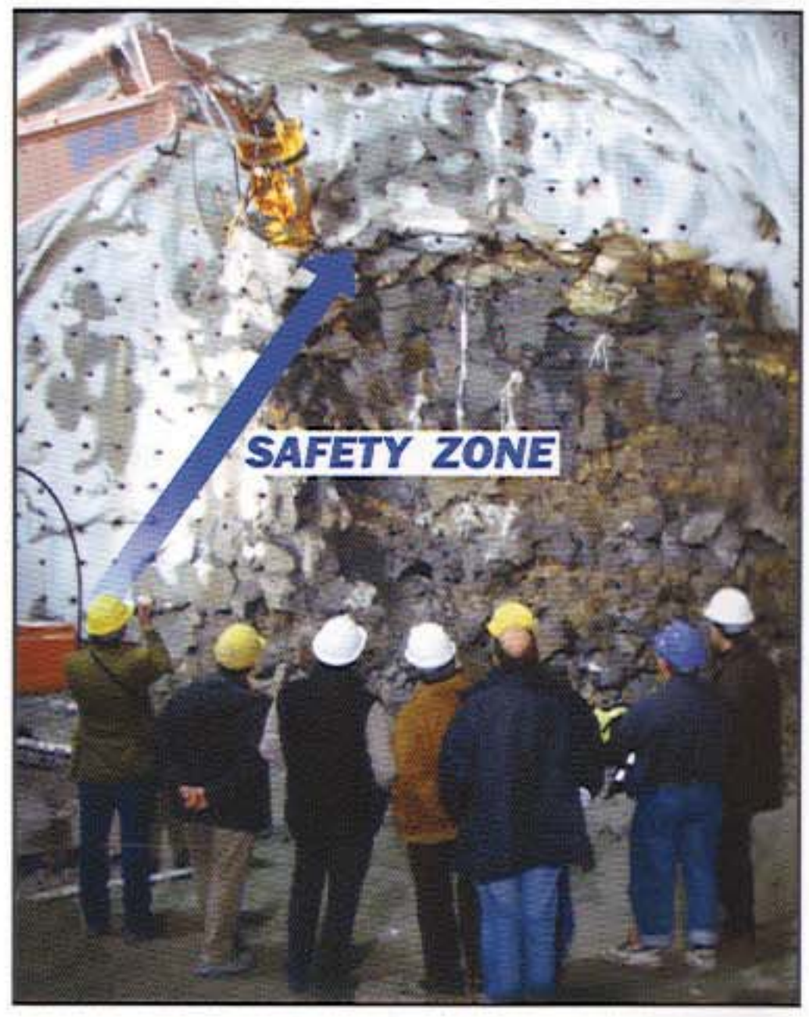
Safe Tunnel Building under the Sensitive area


Full Rotation Function

Eliminates Dust!

It is possible to escape from injury or accident at job site due to no man staying near the rock breaking area.





Rock Splitting Principle

The SuperWedge method combines a wedge and two counter-wedges
and make these insert into the hole of drilled rock.
Then the wedge inserts between two counter-wedges
by pushing power from the master cylinder.
The hydraulic oil comes from Excavator through breaker piping.

SuperWedge Specifications

	SW-1100(Fixed Type)	TSW-1100 (Rotation Type)	MSW-700 (Small Rotation Type)
Oil pressure of maximum use	350 kg/㎠	350 kg/㎠	190 kg/㎠
Maximum power of cylinder	127 ton	127 ton	60 ton
Splitting power	2,400 ton	2,400 ton	1,500 ton
Splitting width	20 mm	20 mm	15 mm
Working one cycle time	40 sec	40 sec	40 sec
Overall weight	1,200 kg	1,650 kg	580 kg

We guarantee your satety & efficiency !

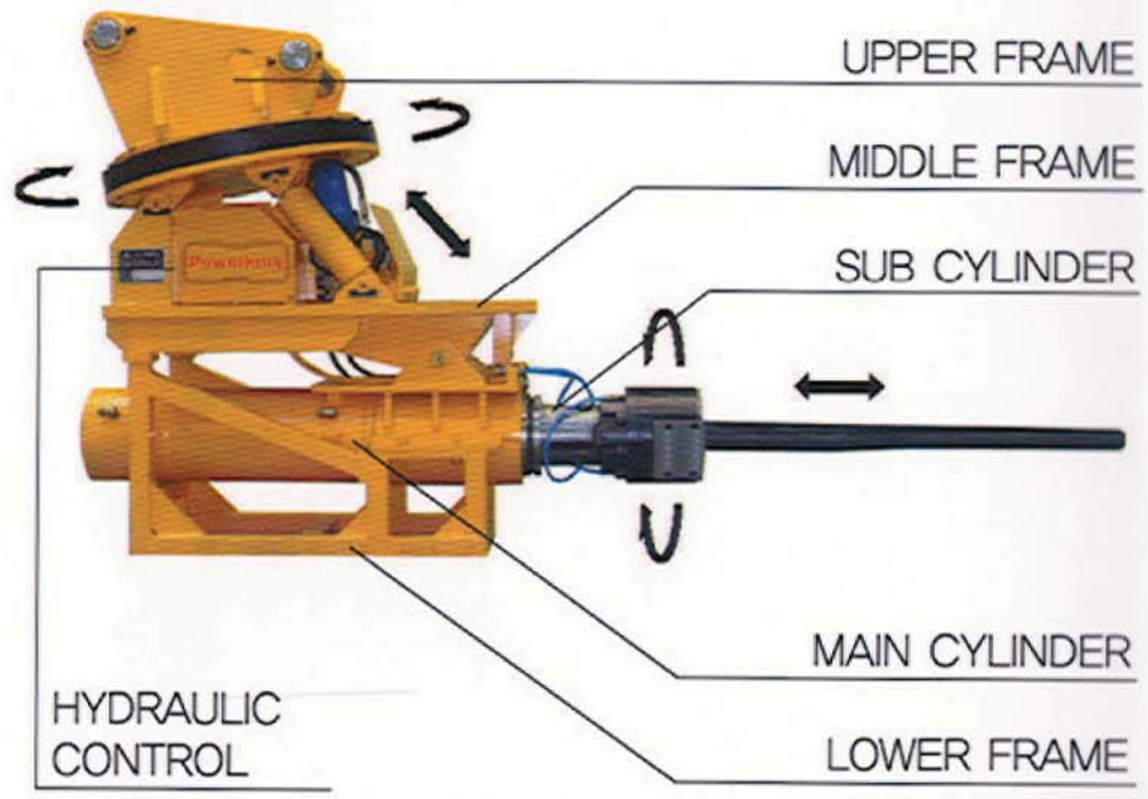
SUPER WEDGE

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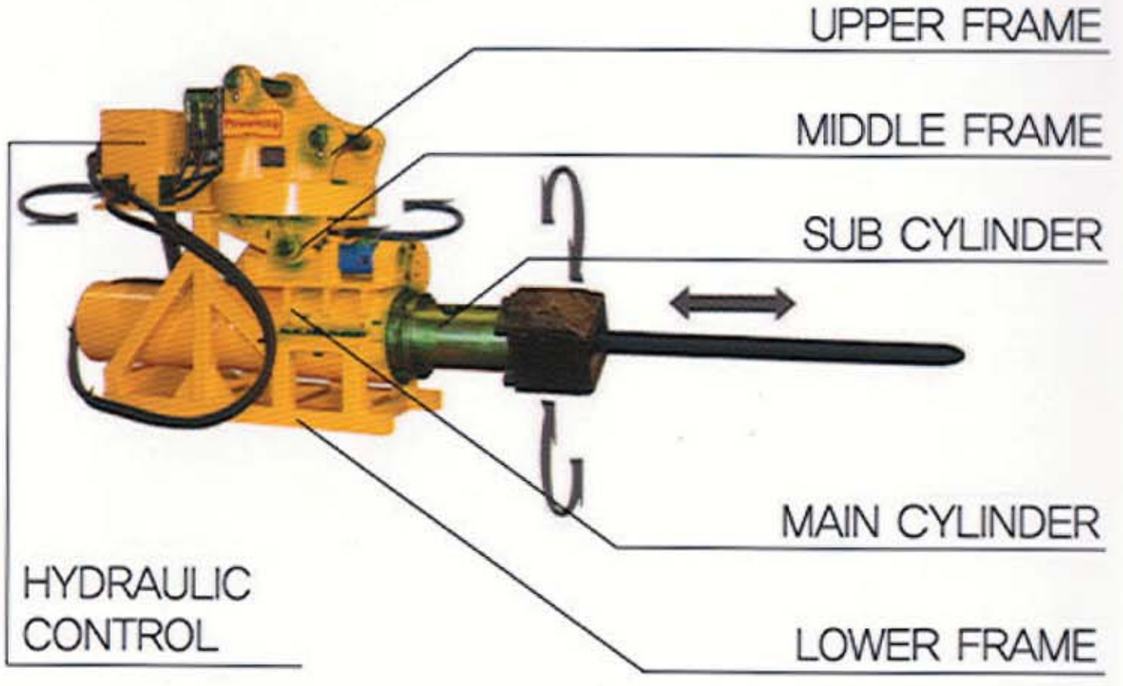
SW-1100 (Fixed type)



TSW-1100 (Rotation type)



MSW- 700 (Small Rotation type)



Controller



Safer then blasting
Minimizes noise

Powerful then Breaker
Eliminates vibration & dust

Powerking Corporation

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Local Dealer