

VPS SERIES MECHANIZED SCALER

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BTI BREAKER
TECHNOLOGY
an Assec Industries Co.



DEDICATED MECHANIZED SCALING FOR SOFT ROCK IN UNDERGROUND MINING

With a heavy-duty, large cross-section roller-style telescopic boom, BTI's VPS Series Scaler provides excellent dexterity, strength and smooth telescopic action for proper positioning. The VPS Series Scaler is a classic design for 4-to-8 meter tall headings and trams in narrow tunnels with a +/- 45 degree center articulation. Equipped with a massive wrist rotation and tilt circuit, the VPS Series Scaler is suitable for use with BTI's patented vibratory pick for soft rock applications or BTI's scaling breakers for harder rock applications.

Its separate torque converter/transmission package provides a low-profile engine height and mid-ship ROPS/FOPS cabin for improved operator visibility and low tramming heights. The four self-leveling stabilizers make set up times easy while maintaining stability for operation.

FEATURES AND BENEFITS

- + Quickly remove loose material**
Patented Vibratory Pick provides fast, efficient scaling of rock surfaces. The distinct head design of the VP Scaling Breaker turns the vibratory pick into a pry-bar, which quickly removes loose material while the pivoting tooth action provides full transmission of breaker impact energy to the tooth without binding. The large-diameter pivot pin and guide systems allow full transmission of the carrier's cylinder forces through the pick.
- + Prevent over-scaling or mining of scaling surface**
Variable nitrogen energy charge and oil flow allow tuning of impact energy and frequency to match specific ground conditions.
- + Protect breaker and tappet system**
Anti-blank Firing System ensures that the ground-engaging tool is in full contact with the scaling surface before the breaker fires. Rugged build to withstand falling rock.
- + Good visibility for both tramming and breaking**
The VPS Series Scaler operator's cab is located midship, provides great visibility and safety while moving through an underground mine and during scaling operation. Separate torque converter/transmission package provides low profile engine shroud height for improved operator visibility.
- + Fast set-up times and stable operation**
The VPS Series Scaler offers four heavy-duty tube-in-tube self-leveling stabilizers to ensure your crew is working safely without compromising time. The stabilizers also eliminate the oscillation of the engine end axle for excellent machine stability during boom and breaker operation.

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51101-ENG-0719

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SPECIFICATIONS

MODEL	UNITS	VPS16	VPS25
Operating Weight	lbs kg	45,160 20,527	46,500 lb 21,136
Overall Trimming Length	ft m	39'11" 12.7	42'6" 12.95
Overall Width	ft m	9'0" 2.7	9'0" 2.7
Trimming Height	ft m	8'6" 2.6	8'6" 2.6
Carrier Articulation	degree	+/- 45°	+/- 45°
Inside Turning Radius	ft m	11'8" 3.6	11'8" 3.6
Outside Turning Radius	ft m	25'1" 7.6	27'8" 8.4
Boom Swing	degree	+/- 45°	+/- 45°
Maximum Horizontal Reach	ft m	29'10" 9.1	34'3" 10.4

Specifications are subject to change without obligation of prior notice.
All results may vary.

MODEL	UNITS	VP285
Flow Rate	gpm lpm	10 - 15 38 - 58
Impact Energy	ft-lbs Joules	300 - 850 407 - 1,152
CIMA Rating	ft-lbs Joules	335 455
Operating Pressure	psi	1,400 - 2,275
Operating Frequency	bpm	730 - 1,120
Pick Width	in mm	5 125

MODEL	UNITS	BX10
Energy Class	ft-lbs joule	1,000 1,355
Operating Weight	lbs kg	948 430
Blows per Minute Long Stroke	BPM	350 - 900
Blows per Minute Short Stroke	BPM	450 - 1,000



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