



**BREAKER
TECHNOLOGY,
INC.**

an Astec company

VP SERIES

Vibratory Pick Scaling Head

BTI's revolutionary VP Series Vibratory Pick Scaling Head attachment brings mechanical scaling to a new level by combining the action of a pry-bar, pick and breaker into a simple robust attachment that increases productivity while reducing operator fatigue and stress to the carrier.

Features & Benefits

Extremely Narrow Design and Raised Orientation of Tooth

provide excellent operator visibility and dexterity during all scaling modes. No more guessing where the tool is, as is the case with conventional scaling breakers.

Pivoting Tooth Action at All Angles

provides full transmission of breaker impact energy to the tooth without binding.

Distinct Head Design with Pry Point

turns the vibratory pick into a pry-bar which quickly removes loose material.

Replaceable Engaging Teeth and Breach Access System

allow quick "in the field" inspection of striker plate and tappet system, giving the operator the ability to quickly replace all consumable wear parts.

Large Diameter Pivot Pin and Guide System

allows for full transmission of the carrier's cylinder forces through the pick.

Fully Enclosed Boxed Housing

with floating breaker design and shock absorbing recoil system provide excellent structural integrity, eliminate breaker vibration to carrier and operator while eliminating side loading to the breaker, extending breaker life. BTI's patent pending breaker within a scaling pick provides versatile scaling in a single lightweight unit.

Variable Nitrogen Energy Charge System and Variable Flow System

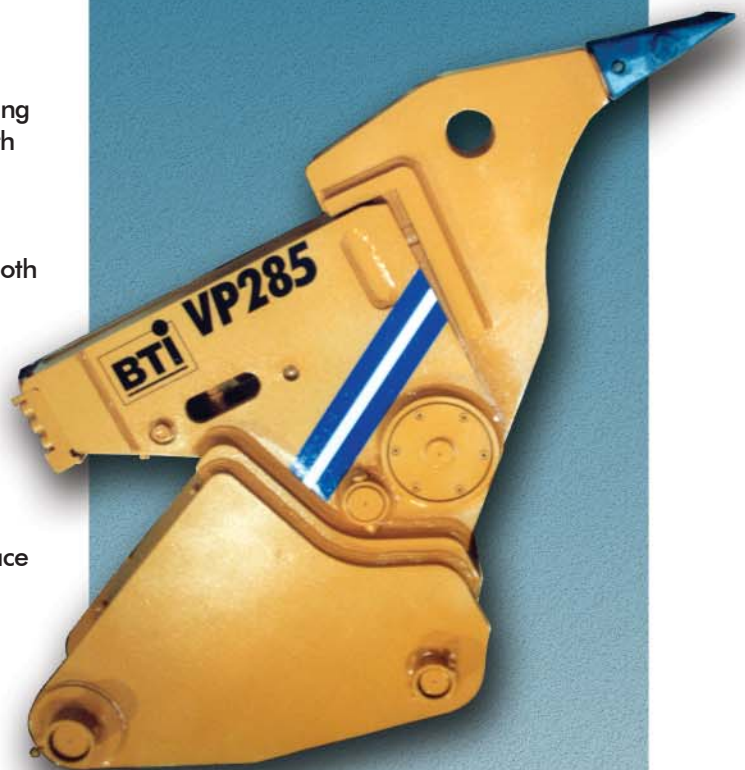
allow tuning of impact energy and frequency to match individual ground conditions, preventing over-scaling or mining of scaling surface.

Anti-blank Firing System

protects breaker and tappet system, ensuring that the ground-engaging tool is in full contact with the scaling surface before the breaker fires.

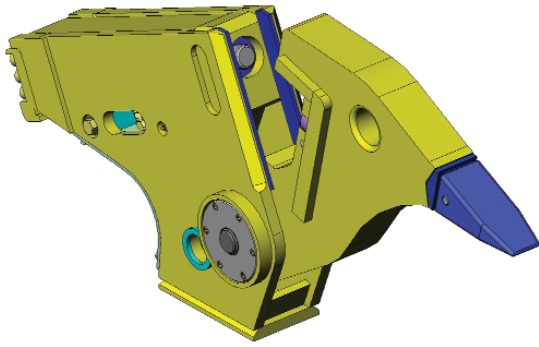
Choice of Ground Engaging Tooth Configurations

provide maximum production rates and excellent finished ground condition.



Hardox 400 and T1 abrasion resistant plating provides excellent protection to breaker, hoses and pick, and long-term maintenance-free service.

VP Series Vibratory Pick Scaling Head Attachment



Fully replaceable pins and bushings for excellent long-term reliability.

US & International Patents Pending



Specifications		VP245	VP285
Flow Rate	gpm / lpm	9-13 / 33-38	10-15 / 38-58
Operating Pressure	psi	1,400 - 2,150	1,400 - 2,275
Operating Frequency	bpm	725 - 1,060	730 - 1,120
Impact Energy	ft lbs / joules	71-237 / 96-321	100-335 / 135-455
Pick Width - solid plate	inches / mm	4 / 100	5 / 125
Operating Weight	lbs / kg	1,800 / 820	2,200 / 1,000
Carrier Sizing	lbs	33,000 - 59,500	48,500 - 88,200
	tonne	15 - 27	22 - 40

Note: Operating weight estimated, based on typical mounting configurations. BTI's design engineers match the pick and develop purpose built mounting brackets to suit most existing scaling machines - actual weights may vary.

Choice of ground engaging tooth configurations:

Pointed Tooth: provides maximum penetration for pre-splitting and quick removal of large loose areas such as seams.

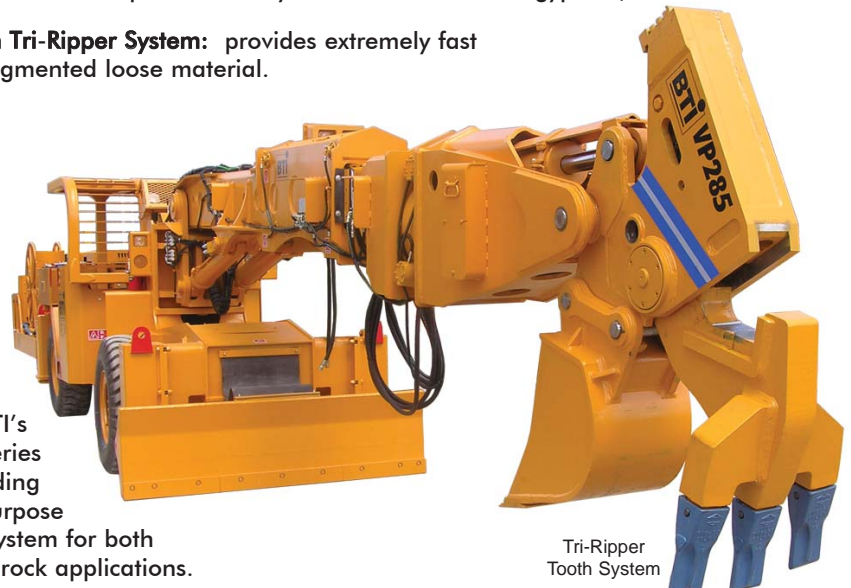
5" Spade Tooth (standard): provides balanced width and vibration for limited penetration into scaling surface for finishing of ribs and faces.

10" Spade Tooth: provides vibration with no penetration into scaling surface, for removal of very loose or flaky material and final clean up in soft or layered material such as gypsum, salt or limestone.

Multiple Tooth Tri-Ripper System: provides extremely fast removal of fragmented loose material.



The VP Series is perfectly matched to BTI's DS and QS Series Scalers, providing a complete purpose built scaling system for both hard and soft rock applications.



Tri-Ripper Tooth System



All dimensions and specifications are approximate and subject to change without notice.

