ALLU PROCESSOR™

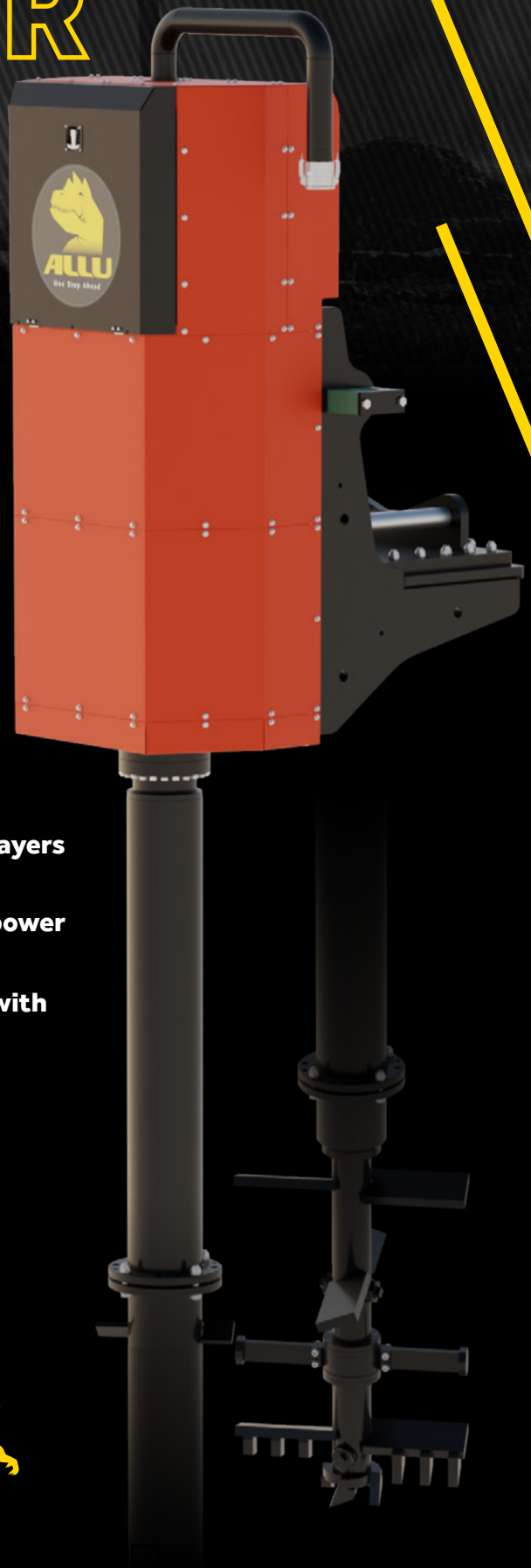
PMV PROCESSOR

For demanding soil conditions

The ALLU PMV Processor represents the next generation of ALLU Soil Improvement technology - a high-performance hydraulic mixing attachment built for deeper, drier, and more demanding soil conditions.

Mounted on 35–50 ton excavators, the PMV transforms your carrier into a precision soil-mixing powerhouse. It's designed to deliver maximum torque, superior penetration, and consistent mixing results even in stiffer or layered soils where traditional mixers reach their limits.

Whether improving foundation strength, stabilizing weak subsoils, or remediating contaminated sites, the PMV combines the proven reliability of the ALLU PMX Processor with new engineering enhancements that extend its depth and performance.



- **Enhanced penetration for deeper and drier soil layers**
- **High torque – up to 55 kNm for superior mixing power**
- **Modular design – 4 m / 6 m / 8 m mixing depths with one unit**
- **Integrated binder feed through rotary drive**
- **Variable speed and torque control**
- **Works with both wet and dry binders**
- **Automatic greasing and no submerged seals for minimal service**

ALLU One Step Ahead

PROCESSOR

35 - 50 ton

Key Benefits

The ALLU PMV Processor delivers exceptional performance and reliability across a wide range of soil-improvement applications. Its advanced transmission generates up to 55 kNm of torque, with variable speed and torque control for optimized mixing in every layer. A modular tube assembly allows easy configuration for 4 m, 6 m, or 8 m mixing depths using the same mixer body.

An integrated binder feed through the rotary drive ensures precise delivery of wet or dry binder, minimizing external hoses and setup time. Combined with automatic greasing, a sealed design without submerged maintenance points, and quick-change internal binder lines, ALLU PMV offers a smart, low-maintenance solution for maximum uptime and productivity.

Ideal use cases:

- FOUNDATION AND BEARING CAPACITY IMPROVEMENT
- CONTAMINATED SOIL REMEDIATION
- DEEP SOIL STABILIZATION AND SOLIDIFICATION
- DREDGED SEDIMENT TREATMENT
- SLOPE AND EMBANKMENT STABILIZATION
- MINE TAILINGS AND LAGOON SOLIDIFICATION



Watch it work

Will it work for your next project?

For four decades, ALLU has developed soil improvement solutions that help transform challenging ground into usable land, stabilize contaminated materials and make even the most demanding projects possible.Backed by decades of experience and a global support network, ALLU is there to help you find the right solution, from initial planning to on-site operations.

Could the new ALLU PMV be the right solution for your next project? Let's find out together.

Visit Website

SPECIFICATIONS

MODEL	EXCAVATOR		MAX TORQUE	BINDER	MIXING DEPTH		GREASING	WEIGHT	
	t	lbs	kNm	type	m	ft		kg	lbs
PMV	35-50	77,000 – 110,000	55	wet & dry	4 / 6 / 8	13 / 20 / 26	automatic	4,712	10,388

ALLU PRESSURE FEEDER

Pair the PMV with the ALLU Pressure Feeder PF 7+7 for precise binder control and optimized binder usage. Together they form a complete, automated soil-mixing system capable of delivering efficient and traceable results at any site.



ALLU
One Step Ahead