

## Overview

### Region

Washington

### Industry

Landscaping

### Customer Profile

Enumclaw Landscape is a well established landscape construction company based out of Enumclaw, WA. Their customers include residential, commercial and government entities. Their team of experienced professionals have provided landscape services for more than 40 years.

### Business Situation

Enumclaw Landscape was searching for ways to enhance the versatility of their John Deere 35D mini-excavator. Adding to the scope of biddable projects with their mini-excavator would potentially lead to more projects for Enumclaw Landscape and further enhance their leadership position in the marketplace.

### Solution

Enumclaw Landscape installed PowerTilt on their John Deere 35D mini-excavator. The productivity of their machine improved dramatically allowing them to accomplish more tasks on the job site and decrease the manual labor needed to finish their projects.

## PowerTilt<sup>®</sup> Application Success Story

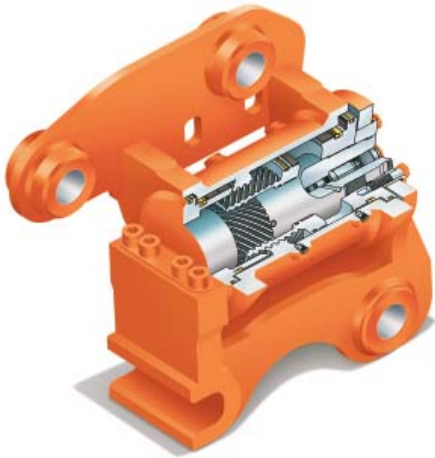
### Enumclaw Landscape Employed PowerTilt to Lower Costs, Reduce Manual Labor and Enhance Profitability

“PowerTilt works awesome! It adds so much versatility to our John Deere 35D mini-excavator. I wish I would have had a PowerTilt 40 years ago.”

— David Schodde, Owner, Enumclaw Landscape

Keeping up with the Joneses means big business for Enumclaw Landscape based out of Enumclaw, WA. As a full-service landscape construction company they provide landscape services to residential, commercial and government customers. Good old fashioned work ethic and integrity are two key factors in running a successful business for more than 40 years — but David Schodde and his team of experienced professionals had another ace up their sleeve in the PowerTilt Versatile Swing Attachment.





“PowerTilt gives us more flexibility with our machine. With PowerTilt installed, we can use our mini-excavator to its fullest potential.”



— Dave Magstadt, Operator  
Enumclaw Landscape

Enumclaw Landscape purchased a PowerTilt model PT-6 for their John Deere 35D mini-excavator. This machine, with PowerTilt installed, was used to perform a wide variety of landscaping tasks, such as, grading, contouring, ditching, sloping and trenching.

### **A Versatile Tool that Decreased Manual Labor**

Prior to utilizing PowerTilt on their mini-excavator, Enumclaw Landscape used a significant amount of manual labor on their



landscape construction projects. With PowerTilt, they received better results on the job site with fewer workers required. “I can sit on the machine and make the machine do what I need it to do. Whereas before, we tried to communicate

with people who couldn't necessarily see the grades and slopes. With PowerTilt, I can get the grades and slopes a lot closer myself,” said Dave Magstadt, Equipment Operator for Enumclaw Landscape.

PowerTilt's ability to increase the number of tasks a single machine can perform allowed Enumclaw Landscape to better allocate their resources into enhanced profitability. “PowerTilt just gives us more flexibility with our machine. With PowerTilt installed, we can use our mini-excavator to its fullest potential,” stated Magstadt.

### **Tight Quarters, No Problem**

Like most landscape construction companies, Enumclaw Landscape was used to working in tight quarters. Their residential customers often had multiple neighbors bordering the job site or other natural obstacles like trees, shrubs or water features that required special attention. It was imperative to leave

“I’m in a lot of tight areas because of houses, existing fences, structures or shrubbery — you name it. With PowerTilt, I don’t have to reposition the machine. I just sit in the cab and use PowerTilt to position the attachment.”

— Dave Magstadt, Operator  
Enumclaw Landscape

as small a footprint on the jobsite as possible. PowerTilt allowed the equipment operator to avoid repositioning the excavator



any more than absolutely necessary. “Our PowerTilt provided us with the ability to position the attachment instead of the machine,” Magstadt explained. “In landscaping construction, I’m in a lot of tight areas. With

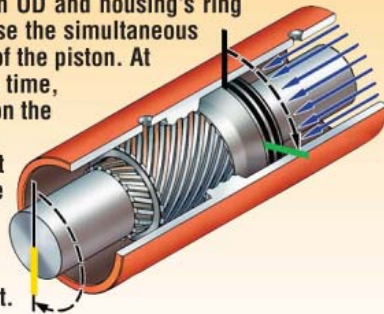
PowerTilt, I don’t have to reposition the machine, I just sit in the cab and use PowerTilt to position the attachment.”

### Wide Bucket for Narrow Shallow Trenches

Another benefit of the PowerTilt for Enumclaw Landscape was the ability to tilt a wide bucket and then use the corner of the bucket to dig a trench without having to switch to a narrow trenching bucket. This functionality saved the operator significant time according to Magstadt. “I was able to use PowerTilt to rotate my 48” bucket and then dig a narrow, shallow trench to lay conduit or irrigation line — without having to change buckets. This was a very nice benefit of PowerTilt.”

### Operation Technology

The PowerTilt is a simple mechanism composed of a housing and two moving parts: a central through shaft and a doughnut-shaped piston. As hydraulic pressure is applied, the piston is displaced axially, while the helical gearing on the piston OD and housing’s ring gear cause the simultaneous rotation of the piston. At the same time, gearing on the piston ID and shaft cause the shaft to rotate and tilt the bucket.



### Helac Corporation’s Innovative Rotary Actuator Technology

PowerTilt uses Helac Corporation’s innovative sliding-spline operating technology to convert linear piston motion into powerful shaft rotation. Each actuator is composed of a housing and two moving parts — the central shaft and piston. As hydraulic pressure is applied, the piston is displaced axially, while the helical gearing on the piston OD and housing’s ring gear cause the simultaneous rotation of the piston. PowerTilt’s end caps, seals and bearings all work in tandem to keep debris and other contaminants out of the inner

## For More Information

For more information about Helac Corporation's construction equipment attachments, call 800.797.8458. To access information using the World Wide Web, go to: [www.helac.com](http://www.helac.com).

workings of the actuator, prolonging product life and reducing required maintenance.

## A Flexible Tool for Any Season

Over a decade of innovation and engineering has gone into making PowerTilt an integral solution for work site efficiency.



PowerTilt is specifically engineered to work with a variety of attachments, improving your machine's versatility. PowerTilt is compatible with wide buckets, brushcutters, narrow buckets, hydraulic hammers, rippers and mowers — just to name a few.

PowerTilt's versatility allowed Enumclaw Landscape to keep it on their machine the majority of the time, year-round. "PowerTilt gives us an advantage over the competition in that we complete our jobs better, faster and more cost-effectively," stated Magstadt.

PowerTilt is available for equipment up to 75,000 lbs in eight sizes with standard rotation of up to 180 degrees. Each model is engineered for a specific class of machinery and individually customized to fit your machine.



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