

Happ Controls Develops Space Age Control for Plow Manufacturer. Increases Safety. Reduces Cost

***The Situation:***

- Customer manufactures snowplow for medium weight trucks. Advances in control equipment and hydraulics have created desire to upgrade some of the more popular lines of equipment.

The Problem:

- Present joystick uses older technology.
- Occupies enormous space in cab of plow.
- High cost item.

The Customer Request:

- Bring down material and installation cost.
- Make control more user friendly.
- Increase more space inside cab for operator comfort.

- Make control user adjustable for both left hand and right hand operators.

Background:

Snow plowing is serious business. The operator must keep his attention on the road for safety concerns to himself and other vehicles. He must also plow snow in a productive manner. Good operators will know just how to shape the plow for best results, saving time. The public demands that roads and parking areas be plowed three or more times during a heavy snowfall.

The Happ Controls Solution:

Happ engineers met customer's requirements with a single joystick! A single joystick controls 11 different functions. The plow can be operated in a discrete movement mode or in a continuous mode, much like an airplane joystick controls flaps and ailerons. The stick occupies one-third the space of the older technology. In a plow cab, this represents an enormous benefit for the operator.

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Review:

We want to solve your control problems.

Our capabilities include:

- **Broad range of existing control device platforms** available to save development costs.
- **SolidWorks™** software used to make design decisions faster, easier.
- **Engineering, testing, and solid modeling departments** at Happ Controls consistently deliver a prototype within required deadline.

Happ Controls combines a cost-effective, high capacity manufacturing arm and a quick response engineering team to generate custom solutions.

Call us to find how Happ Controls can solve your control components and system requirements.