

What we make

Since its founding, Happ Controls has developed expertise in control components and systems. Our products include microprocessor and analog-based joysticks, pushbuttons, pendant switches, foot controls, annunciators, to name a few. We make control systems for these components.

How we make our products

- We manufacture and distribute stock control components and systems.
- We design, develop and manufacture custom controls.



A unique right left hand joystick controls plow movements in eight orientations.

Company History

Founded in 1985, Happ Controls has grown to a \$40,000,000 enterprise that includes: custom mechanical and electronic engineering; a high capacity manufacturing arm; component and control system distribution. Our catalogs include many of the devices we manufacture.

How customers realize the benefits of Happ Controls custom engineering and manufacturing

Our company is organized to provide you, the customer, the most flexible and cost effective method for converting your idea into a manufactured product that meets your specification.



The control stick on this Apache helicopter contains 7 functions.

Happ Controls engineering uses the latest design software and Internet presentation software to allow you to review what we propose without face to face, time-consuming design reviews.

If called upon, our model shop will make a working prototype.

Our testing shops are equipped with fatigue testing and mean time between failure test equipment.

Finally, our production staff is organized to produce both low volume and high volume runs, side by side.

How we work with you and for you

We build a strong, responsive relationship with the customer from the first meeting. We believe that no competitor can listen to and act on your requirements better than we can.

Our aim

We take pride in our ability to turn a customer idea or concept into a manufactured component or system within your time frame and within your budget.

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A Short History of the Joystick

1916 — Daredevil pilots coin the term 'joystick' for the control stick on airplanes as stunt flying is similar to 'joyriding'.

1944 — Luftwaffe develops air to air missile for use against allied bombers. Joystick used to control missile over tethered wire.

1971 — First joystick controlled arcade video game.

1977 — Fairchild Camera develops first video game using joystick for home market.

Most customers' requirements can build on existing platforms we have already developed. We will suggest existing assemblies and tooling to save you development costs.

If the customer is looking for something new or one of a kind, our engineering department can bring a fresh approach to your idea.

More firms are outsourcing internal design & manufacturing functions. Happ Controls can provide total responsibility –from design to final tooling.

Enjoy the advantages of Happ Controls stock control products

Whenever possible, we use stock components to satisfy a customer need. Our customers save money when using stock components. They know that Happ Controls is

ready to turn a stock component into a special whenever asked. Our systems and components are robust for either stationary or mobile control systems.

Let us help you

Off the shelf devices are available with quick turnaround times.

Our engineering department handles special requests with short lead times. On budget & on time.

From concept to development to production faster than anyone else.

“their reputation for innovative engineering solutions is unmatched in the industry.”

Chicago Tribune Business Section
June 1994.