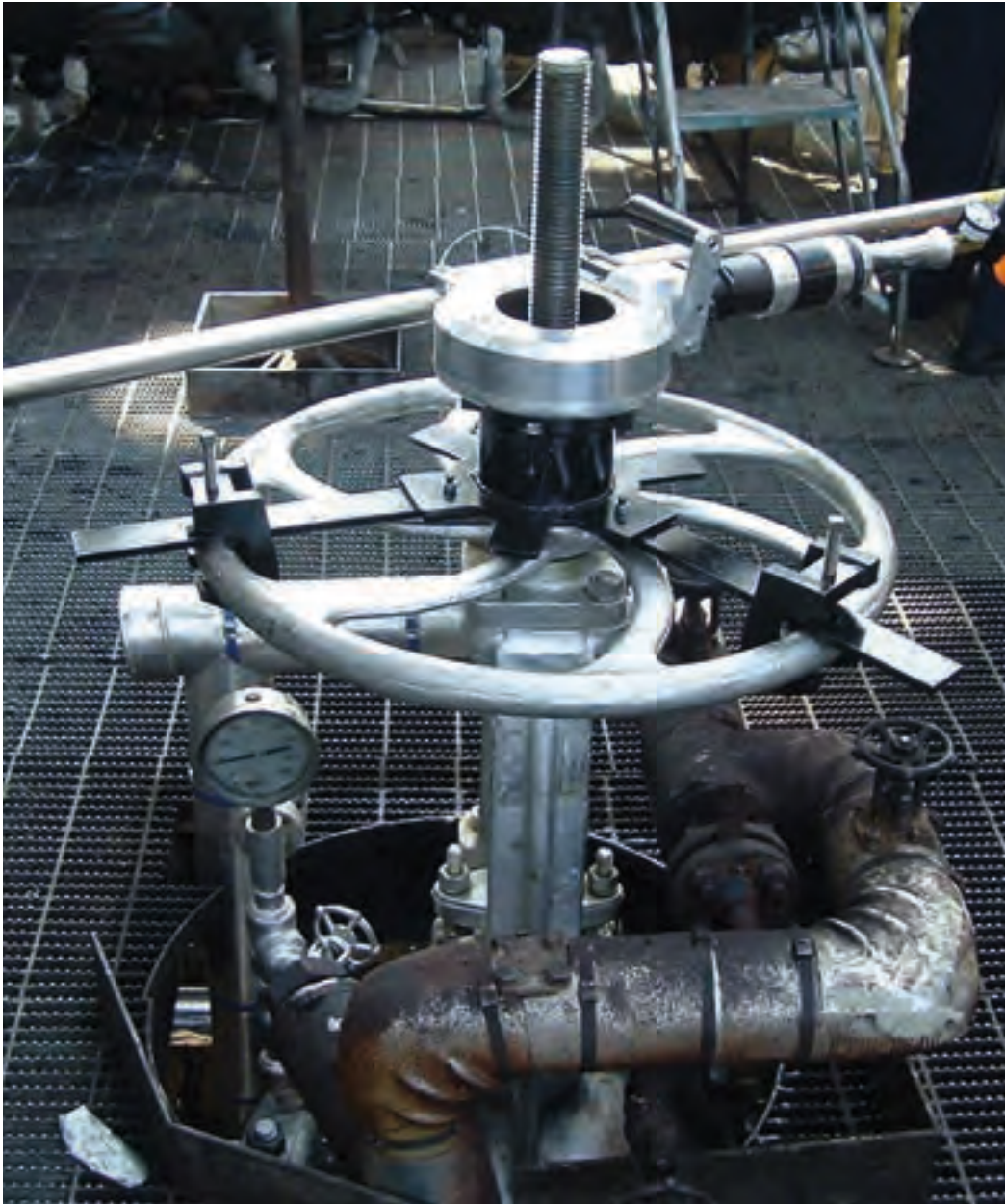
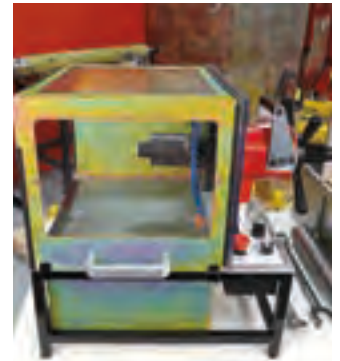


SPECIALTY Machines



Weld Coupon loaded, ready for prep



Weld Coupon Station



RS-2 Rising Stem Valve Exerciser

Special Jobs Call for Special Machines

E.H. Wachs has a long history of creating specialized machines for unique or challenging machining tasks. Our RS-2 and P-2 handheld operators are the ideal tool for operating or exercising handwheel and rising stem valves, and are available in three drive types. The P-2 is offered in your choice of high torque or high speed models.

Wachs Weld Coupon Station is specially designed for training organizations to teach end prep beveling skills while saving and reusing practice coupons. Genuine Wachs tooling is available in both Legacy style and DuoEdge holder and insert, which offers one of the lowest costs per cut in the industry. If you need help with a difficult machining project contact your local E.H. Wachs representative – we probably have a tool for the job.



RS-2 Valve Operator

Powered Valve Turning & Operation

Turning valves and valve handwheels is an important job for maintaining pipeline infrastructure. An organization can have hundreds or even thousands of valves that must be controlled, or in some industries "exercised", the process of running a valve through its full cycle to prevent sticking or freezing caused by factors such as tuberculation.

The RS-2 (Rising Stem 2) Portable Valve Operator for rising and non-rising stem valves delivers up to 800 lb-ft torque and a maximum of 55 rpm for fast, reliable opening and closing of water, wastewater, pipeline and petro-chemical valves.

Highly Versatile

The RS-2, designed with operator health in mind, spares arm and back injuries associated with manually turning large, stubborn or frozen industrial valves. The RS-2 offers a range of adapters and accessories to suit most applications, including PIV (Post Indicator Valves). There's a 1in (25.4 mm) square drive adapter, dedicated handwheel adapters and a universal handwheel adapter to fit most common handwheels.

Multi-Functional Valve Operator

- Available in hydraulic, pneumatic or electric Drive
- Operate all rising & non-rising stem valves from 6-60in (152.4-1524mm)
- 4in (106.1mm) hub opening for operating rising stem valves
- Mount to any handwheel with Universal Handwheel Adapter
- Forward and reverse operation. Variable speed control
- Built in easy view LCD counter
- 55 rpm high-speed operation for valves requiring several hundred turns
- 800 lb-ft torque for difficult valves

Available Models

DRIVE TYPE	POWER REQUIREMENTS	MOTOR CONTROLS	PART #
Pneumatic	60 cfm @ 90 psi	Variable speed; Forward and reverse dial	78-000-03
Electric	110 volt AC (15 amps or 3500 watt generator)	Variable speed; Adjustable torque control Forward and reverse control valve	78-000-01
Hydraulic	8 gpm @ 1800 psi	Variable speed; Adjustable torque control Forward and reverse control valve	78-000-04

RS-2 Handwheel Adapter

For using the rising stem valve operator with standard handwheels.

MODEL	PART #
RS2 Dedicated Handwheel Adapter - Stays on handwheel for quick operation	P13-017-4007-00
RS2 Universal Handwheel Adapter	P13-017-4008-00



RS2 Dedicated Handwheel Adapter
P13-017-4007-00



RS2 Universal Handwheel Adapter
P13-017-4008-00



RS2 Rising Stem Valve Operator
electric model shown



RS2 with Handwheel Adapter



RS2 operating rising stem valve



Allows for 2-person operation

P-2 Valve Operator

Convenient Handheld Operation of Handwheel Valves

E.H. Wachs® powered handheld valve turners/operators are built for quick operation and exercising of valves. Available in pneumatic, hydraulic and electric drive the P-2 is powerful and highly portable for quick, efficient operation of most valves, handwheel valves and post indicator valves (PIV).

The E.H. Wachs® P-2 (Pow-R-Drive 2) handheld valve turning machine is the ideal solution for organizations dealing with critical valves of any sort, including fire prevention and water material handling systems. It's lighter, faster and more powerful than any other machine of its kind and helps eliminate arm and back injuries associated with attempting to manually turn large or stuck valves.

The P-2 offers increased productivity, operator efficiency and valve protection. It's compact size and light weight make it the perfect tool for hard to reach valves, valve turning/exercising and fast shut downs, delivering controlled power to operate valves 6" (152.4mm) and up.

The P-2 is available in both high speed HS and high torque HT models, in pneumatic, hydraulic, or electric drive. An optional universal handwheel adapter allows the P-2 to operate non-rising stem handwheels.

P-2 Features

- Lightweight, rugged construction
- Easy setup and operation
- Convenient finger tip control
- LCD counter, VITALS compatible
- VITALS offers precise torque control
- Pneumatic, hydraulic or electric

Available Models

DRIVE TYPE	TORQUE	SPEED	PART #
Electric 110V	500 ft-lb	20 rpm	11-000-07
Electric 220V	500 ft-lb	20 rpm	11-000-10
Pneumatic	500 ft-lb	26 rpm	11-000-08
Hydraulic	500 ft-lb	24 rpm	11-000-09
Electric 110V	500 ft-lb Vitals torque control	20 rpm	11-000-17
Electric 220V	500 ft-lb Vitals torque control	20 rpm	11-000-20
Hydraulic	500 ft-lb Vitals torque control	20 rpm	11-000-19
Electric 110V	800 ft-lb	10 rpm	11-000-02
Electric 220V	800 ft-lb	10 rpm	11-000-05
Pneumatic	800 ft-lb	13 rpm	11-000-03
Hydraulic	800 ft-lb	12 rpm	11-000-04
Electric 110V	800 ft-lb Vitals torque control	10 rpm	11-000-12
Electric 220V	800 ft-lb Vitals torque control	10 rpm	11-000-15
Hydraulic	800 ft-lb Vitals torque control	12 rpm	11-000-14

P-2 Handwheel Adapter

Size adjustable solution for using the P-2 with Standard Handwheels

MODEL	PART #
P-2 Handwheel Adapter	11-401-00



P-2 Handwheel Adapter



P-2 Electric 110V Model



P-2 Pneumatic Model



P-2 Hydraulic Model



Vitals torque control available on select models.



P-2 Electric shown with Handwheel Adapter

WELD Coupon Station

Save Thousands Making Your Own Coupons

E.H. Wachs Weld Coupon Station is a self contained tool designed for machining weld preps onto ordinary pre-cut pipe sections, creating weld ready coupons.

Wachs Coupon Station will machine virtually any prep including bevels, compound bevels and J-preps on carbon steel, stainless steel, alloy steel and aluminum pipe and tubing. It is available in two models, Basic and Deluxe.

The Basic model includes the standard mandrel to satisfy a 2.75in OD coupon. The deluxe model includes the optional mandrel assembly to counterbore from 2.26in to 6.63in ID (57.4 - 168.4 mm). It's capable of handling all common coupon sizes up to "Super Coupons" with 2.75in OD (69.9 mm) and 5/8in wall (15.9 mm) and up to a 6in (DN150) schedule 80.

Save Your Coupons

Wachs Coupon Station will quickly pay for itself in time and material savings. For example, if you purchased and discarded 2,000 coupons per year at the current average cost of \$10 each, by using the Prep Station you'd save nearly \$20,000 and enjoy an extremely rapid return on your investment. Order your Weld Coupon Station today and you'll see that with Wachs, it pays to save your coupons.

Coolant System

Designed to mount on a bench or cart, the Coupon Station is built around E.H. Wachs powerful SDB 206/2 ID mounted machine tool, the finest of its kind. A totally self contained unit, it features a clear splash proof enclosure with a recirculating coolant system that dramatically extends tooling life.

A screened chip collection tray protects against coolant contamination. Safe, clean and easy to use the Weld Coupon Station features precision external controls to effortlessly make the perfect weld prep in minutes.

Specifications

Machining Capacity: Common coupon sizes up to "Super Coupons" with 2.75in (69.9 mm) OD and 5/8in wall (15.9 mm) using included mandrel; with optional accessories up to 6in Schedule 80 (ND150)*

Feed Rate: .083in (2.1 mm) per revolution

Feed Stroke: 2.5in (63.5 mm) usable feed travel w/ .001in (.025 mm) feed scale

Chucking Capacity (ID):

2in (50.8 mm) pipe schedule 10, 40, 80, xx, super coupon

Controls:

On/Off, Manual Clamp, Manual Feed, E-Stop, Speed & Coolant Shut-Off

Drive: Electric 110 V/AC @ 15 Amp - 60 Hz

Tooling: Included 37.5 degree tooling holder kit, Genuine Wachs 56-711-01 high speed steel tooling with 2 precision ground cutting edges

Dimensions:

Length 21in (533.4 mm) x Width 18in (457.2 mm) x Height 21in (533.4 mm)

Weight: Without coolant 105 lb (47.6Kg)



Weld Coupon Station



Coupon shown with weld-ready bevel



Welded coupon – reusable

MODEL	CODE	PART #
Basic Weld Coupon Station	908 089 401	P08-089-401
Deluxe Weld Coupon Station	908 089 402	P08-089-402