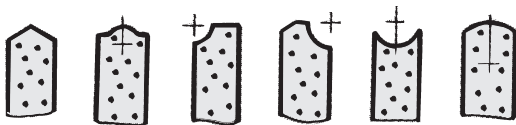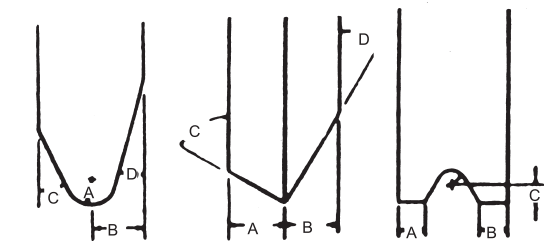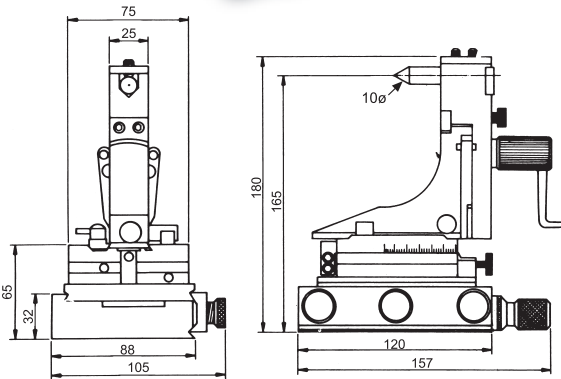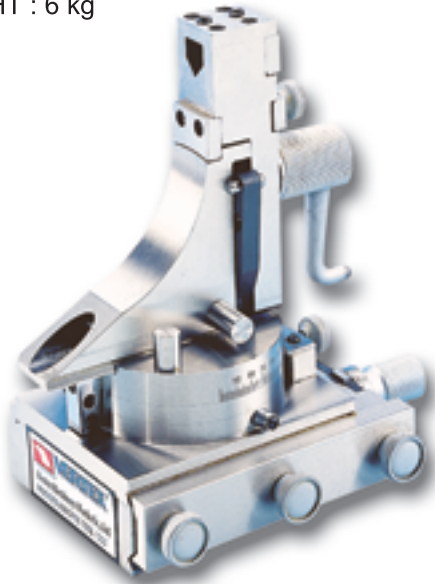# Universal Wheel Dresser

ORDER NO.V-TDC   CODE NO.2012-020
WEIGHT : 6 kg
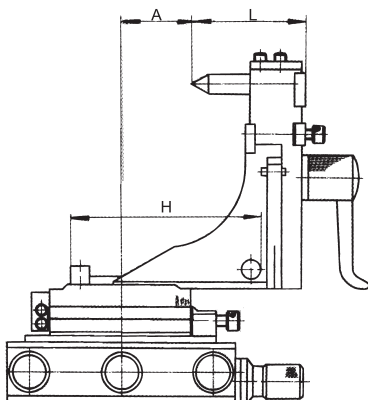
The wheel dresser that dresses two angles tangent to a radius in one continuous motion with .0001 0.002m/m accuracy.
The wheel dresser with a micrometer feed-1^3/$_{16}$"(38mm) travel.

SIMPLE-ELIMINATES HEIGHLY SKILLED OPERATORS

Fluidmotion means YOU CAN dress two angles tangent to a radius in one continuous motion-with only one setting. The diamond automatically returns to center position after dressing angles. Thus even a beginner can dress complex froms quickly and accurately.

ELIMINATES ELABORATE SETUPS

No need to pre-set diamond, or use any other tool except a micrometer and a simple hex wrench.
No Gage block-Master Gage setting-Jo Block-Parallel Bar-Surface Plate-Height Gage-Dial Indicator.
No movement of dovetails necssary to form angles. The angle is dressed by continuing to push handle in both directions after radius is formed.
No need to use Gibs & V-Ways other than positioning surfaces.

ACCURATE-RAPID, REPAT FORM-DRESSING

Fluidmotion generates clean, precise wheel profiles entirely free of chatter marks. Without fluidmotion a perfect blend of angles and radius is improbable.

PRECISE SHARP CONTOURS-concave or convex, at a full 180 degrees, are obtained consistently with (GUARANTEED) 0.001" accuracy.

CONVEX RANGE-OR-76.2R
CONCAVE RANGE-0.8R-88.9R
ACCURATE...FLUIDMOTION...PRECISE...
HOLD INTERSECTING ANGLES 12 to 15 seconds. This is accomplished by operating upright and handle.
Setting up two angles requires 10 seconds. Setting two angles and radiius requires less than 3 minutes.

THE MOST DURABLE DRESSER AVAILABLE

Manufactured from hardened, ground and lapped alloy steels.
No wear surfaces. Swivels on sealed bearings.
This form tangent in one setting-two angles-two radii-one flat.
Concave and convex forms in one setting with flat between radii are posible with special stops on our standard "Fluidmotion" series radii and angle wheel dressers.
Angles may be different. Radii must be the same size.
Lenght of flat is controlled by stops set on cross feed of machine table. Ask for prices on special stops before purchasing a Fluidmotion wheel dresser.

Calculation Methnod

To dress convex arc surface: H=L + R
To dress concave arc surface: H=L +(-R)
H: Distance between outer generating lines of two locating pins.
R: Radius of the arc surface to be dressed
L: Distance from tip of diamond cutter to base plate