

The Pro Dual is a strong stationary Grinding and Lapping machine for all common types of valves. The ridged column, is mounted on a strong work bench base, used for the storage of all accessories, drive heads, tools and consumables.

Unique Grinding & Lapping Technology

The Pro Dual is completed with the V-Tec orbital – mechanical driven grinding and lapping system. This unique gear driven system contains of a slow rotating drive head and five mechanically driven, fast rotating grinding plates. The grinding plates are completed with self-adhesive foil rings, grain depending on the seat damage and level of required flatness / finish. The internal gearing system rotates the grinding plates at the same speed producing the perfect cross hatch machining pattern, absolute flat grinding and the finest lapping finish. The drive guarantees the same speed on the in- and outside of the seat and this means that accurate setting and diametric adjustment (as needed with the conventional ‘friction driven’ plates) is not needed.



Pro Dual 24

UNIQUE FEATURES

- ✓ **Strong, stable and universal.**
- ✓ **Designed and equipped for the modern valve repair shop.**
- ✓ **Suitable for repairing seats of all common Gate-, Parallel Slide-, Check-, Globe- and Safety valves**
- ✓ **Highest material removal rate with the highest flatness accuracy.**

Universal applications

The Pro Dual is designed and equipped for the wide variety of valve types installed in the modern process plant. Gate-, Parallel Slide- and the common Check valve can be clamped and aligned horizontally with the 0 – 12 degrees adjustable ‘tilting’ table. In the ‘zero’ position this clamping table is utilized for clamping any Safety valves.



Optional: Global fixture table

V-TEC - NL
Polakweg 6 - 2288 GE
Rijswijk - The Netherlands
T: +31 70 320 93 27
F: +31 70 320 37 37
E: info@ventil.nl

V-TEC USA
904 Gemini Street
Houston, TX 77058 - USA
T: +1 281 28 001 41
F: +1 281 28 008 38
E: info@ventil-usa.com

V-TEC Middle East
International Free Zone
P.O. Box 8553, Sharjah
United Arab Emirates
T: +97 150 62 60955
E: bala@ventil-me.com

V-TEC Russia (Moscow)
LARMAX Int. B.V.
Представительство в Москве
ул. Д остоевского 21
127473 МОСКВА
Российская Федерация
T: +7 495755 5713
Ф: +7 4957556974
E: info@larmaxinternational.ru

V-TEC Kazakhstan (Almaty)
LARMAX International B.V.
Представительство в Алматы
пр. Абая 151/115, бизнес-центр
«Алатау», оф. 1110
050009 АЛМАТЫ
Республика Казахстан
T: +7 727 334 0703
Ф: +7 727 2668536
E: info@larmaxinternational.kz

Consumables

The V-Tec Pro Dual is delivered ready for use, including all required parts and materials. The standard delivery includes 3 different grit sizes of the self-adhesive 3M foil ring; P150, 240 and 500. The high quality Aluminum Oxide rings can be used for any type of finish on all common seat materials. Permanent impregnated diamond or Ceramic grinding-heads are available on request.



Pro Dual 10

	Pro Dual 10	Pro Dual 16	Pro Dual 24	Pro Dual 40
Range	¼ - 10" DN6 – 250 mm	¼ - 16" DN6 – 400 mm	¼ - 20" DN6 – 500 mm	¼ - 40" DN6 – 1000 mm
Application	Workshop, universal valve repair purposes			
Tilt table dimensions	14 x 14" 350 x 350 mm	33,5 x 27,5" 850 x 700 mm	48 x 40" 1200 x 1000 mm	48 x 40" 1200 x 1000 mm
Tilt table angle	0-12"			
Distance between column centre	18" 450 mm	32,5" 825 mm	59" 1500 mm	59" 1500 mm
Grind/Lap motor	0.12 kW		0.4 kW	
Axial feed motor	0,03 kw	0,08 kw	0,75 kw	0,75 kw
Operation	Automatic, electrical driven			
Electrical Connection	220 (V) 50 Hz			
Dimensions	64 x 40 x 74" 1620 x 1000 x 1870 mm	74 x 45 x 80" 1910 x 900 x 2300 mm	114 x 51 x 122" 2900 x 1300 x 3100 mm	114 x 51 x 122" 2900 x 1300 x 3100 mm
Weight	280 kg	570 kg	1650 kg	1680 kg

V-TEC - NL
Polakweg 6 - 2288 GE
Rijswijk - The Netherlands
T: +31 70 320 93 27
F: +31 70 320 37 37
E: info@ventil.nl

V-TEC USA
904 Gemini Street
Houston, TX 77058 - USA
T: +1 281 28 001 41
F: +1 281 28 008 38
E: info@ventil-usa.com

V-TEC Middle East
International Free Zone
P.O. Box 8553, Sharjah
United Arab Emirates
T: +97 150 62 60955
E: bala@ventil-me.com

V-TEC Russia (Moscow)
LARMAX Int. B.V.
Представительство в Москве
ул. Д остоевского 21
127473 МОСКВА
Российская Федерация
T: +7 495755 5713
Ф: +7 4957556974
E: info@larmaxinternational.ru

V-TEC Kazakhstan (Almaty)
LARMAX International B.V.
Представительство в Алматы
пр. Абая 151/115, бизнес-центр
«Алатау», оф. 1110
050009 АЛМАТЫ
Республика Казахстан
T: +7 727 334 0703
Ф: +7 727 2668536
E: info@larmaxinternational.kz