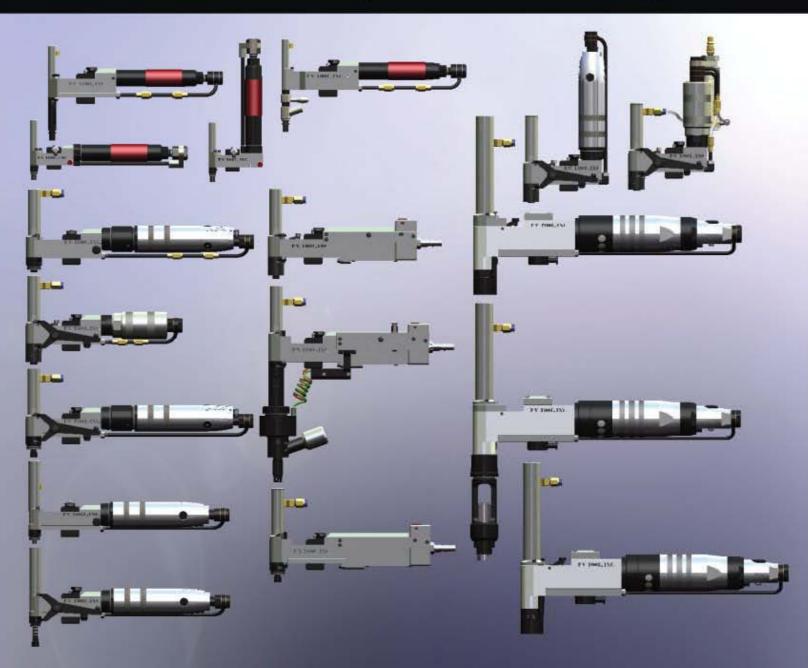
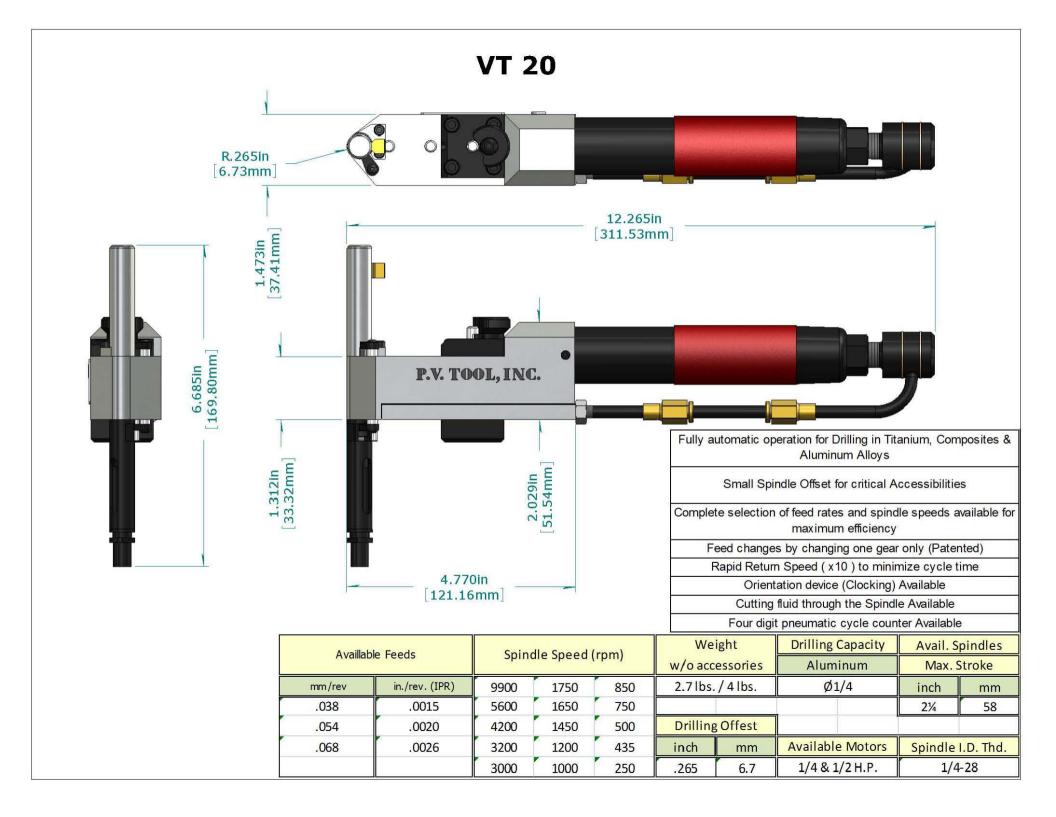


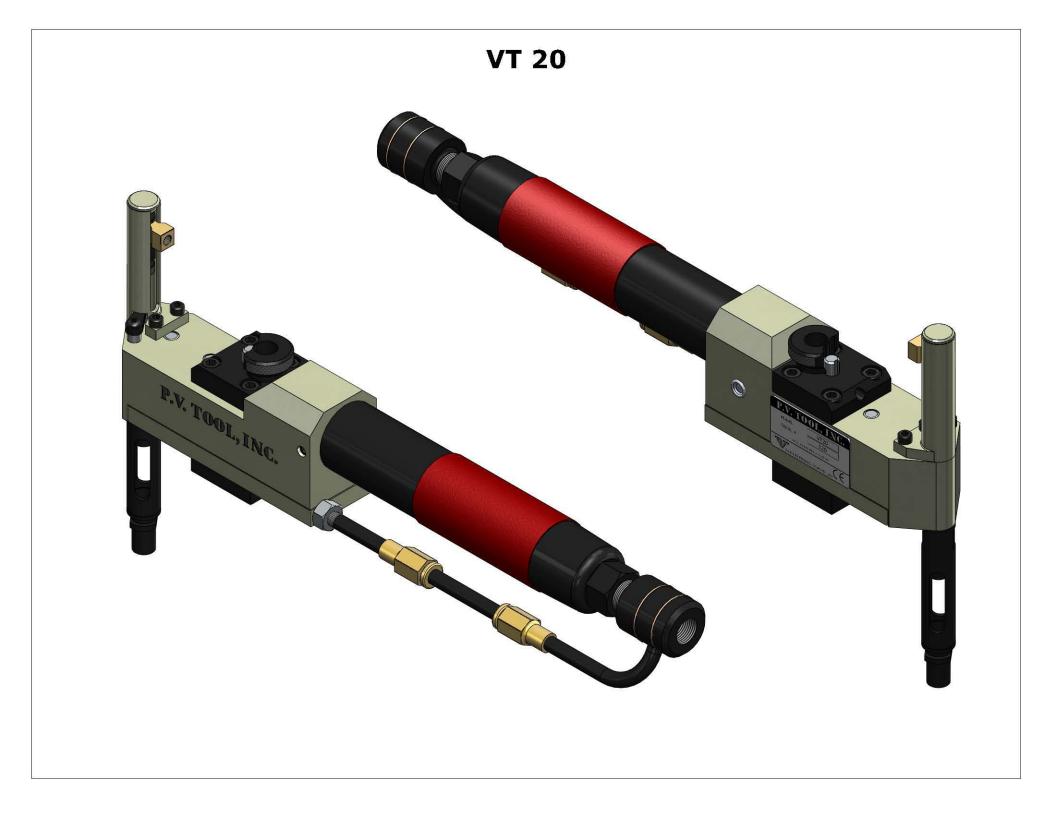
10065, So. Greenleaf Ave, Unit #A Santa Fe Springs, Ca. 90670

Tel: (562) 777-8176 Fax: (562) 777-8065

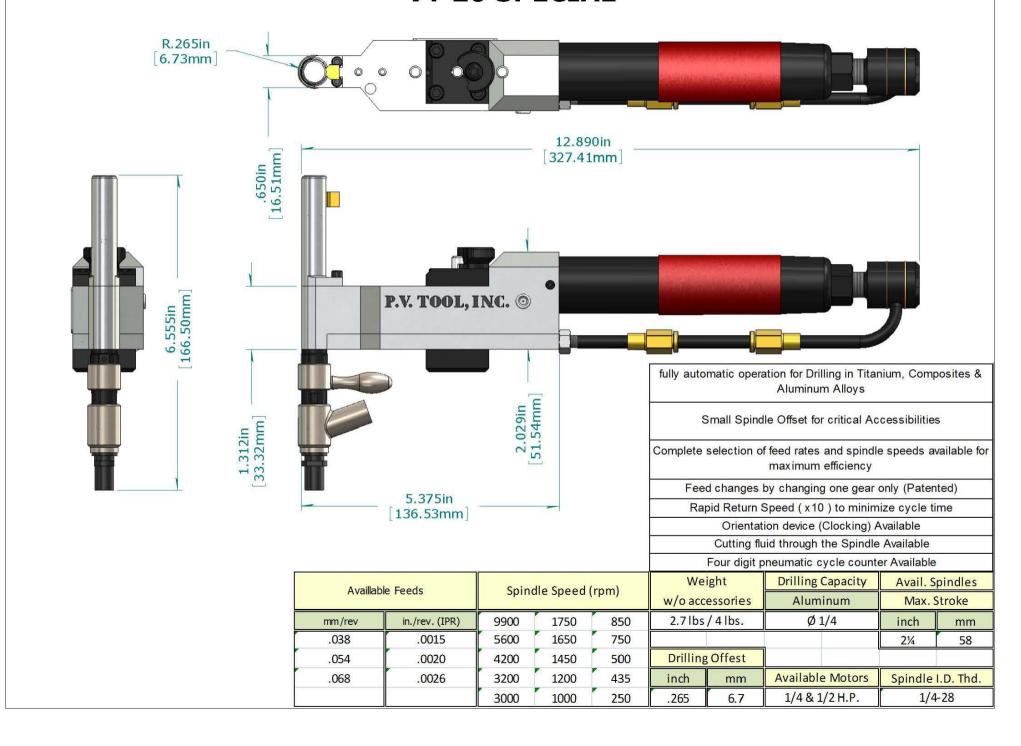
Aircraft Tools Positive Feed Drilling & Countersinking Units



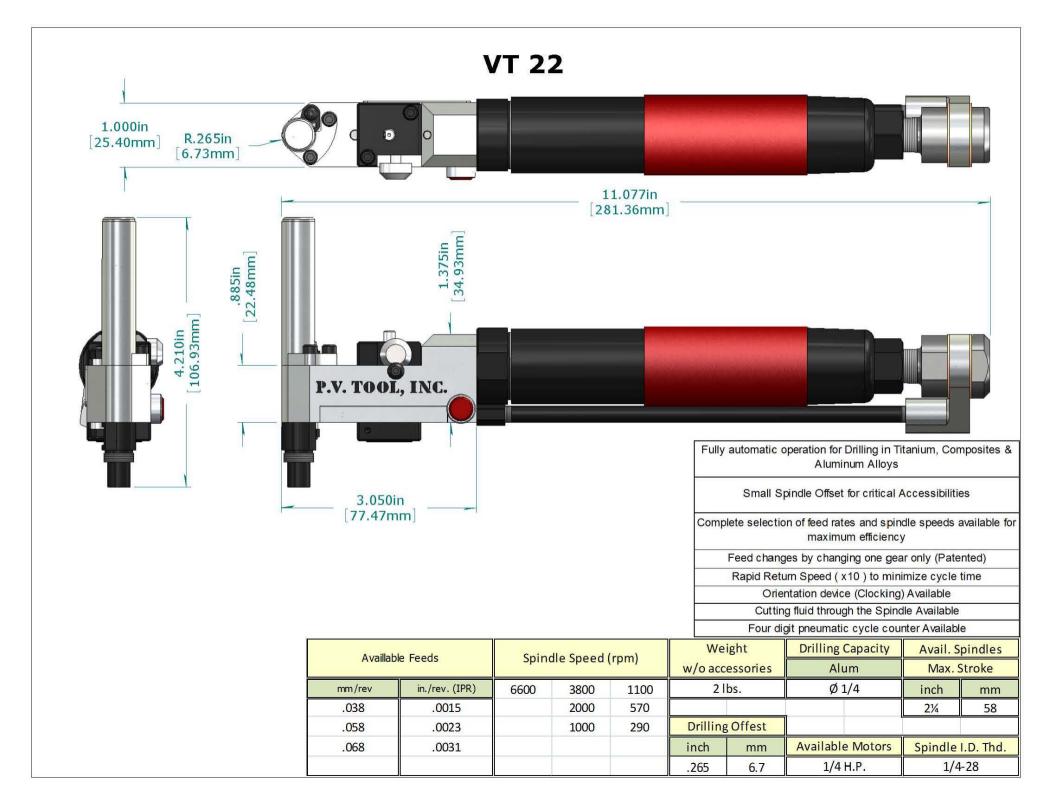


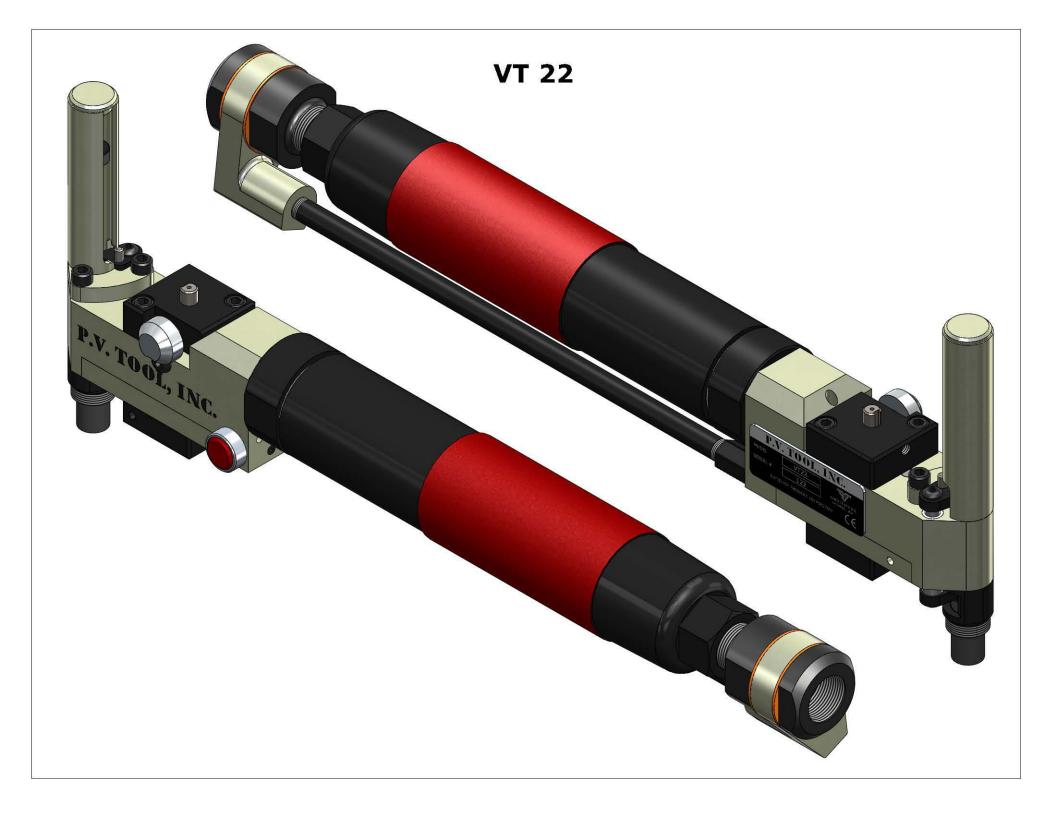


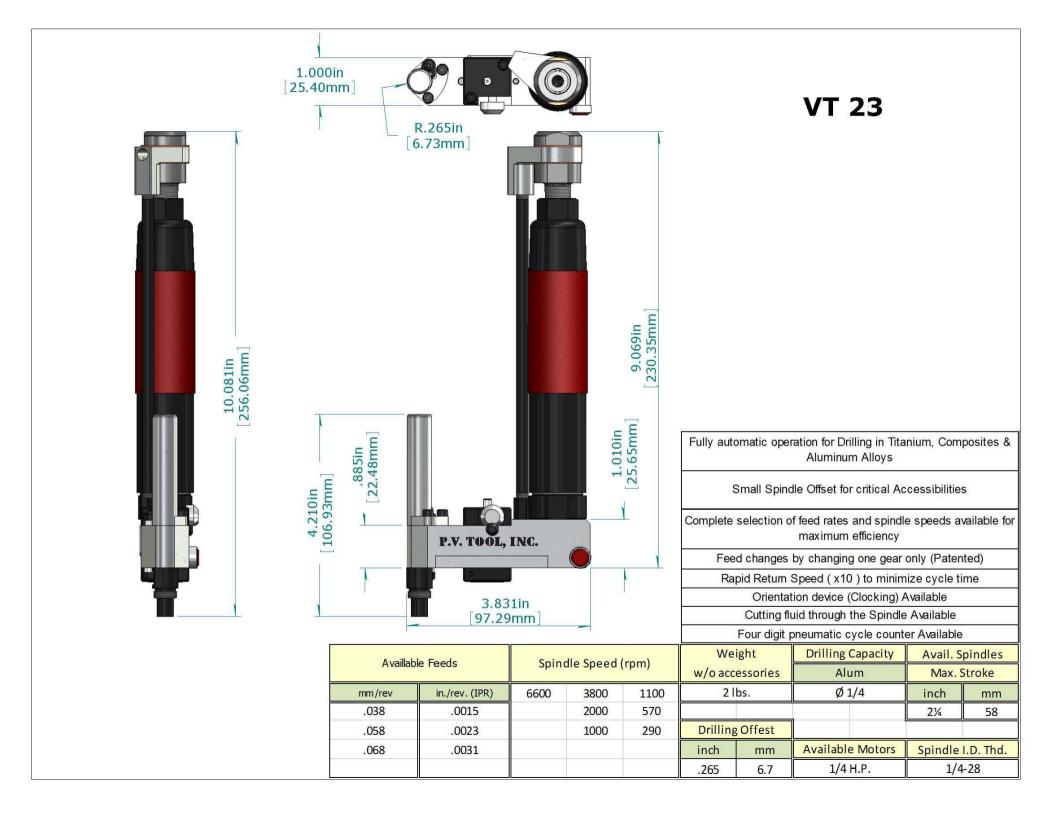
VT 20 SPECIAL



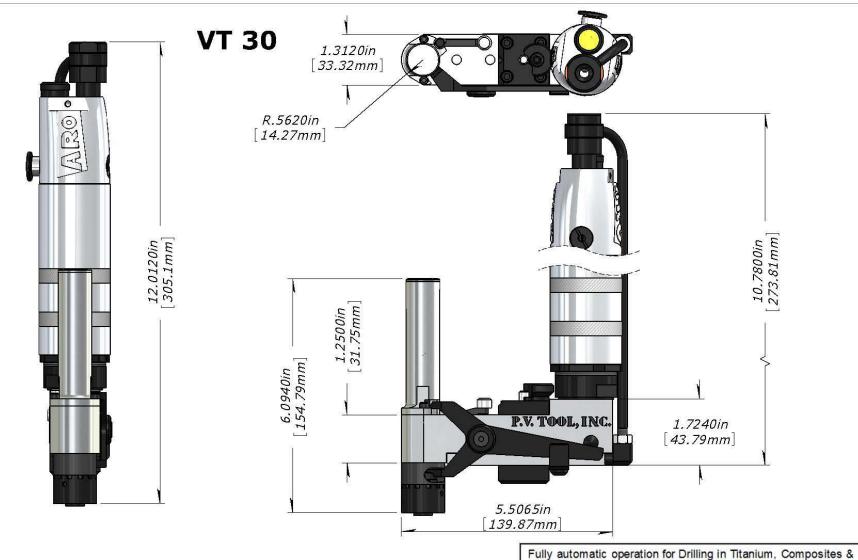
VT 20 SPECIAL











Fully automatic operation for Drilling in Titanium, Composites & Aluminum Alloys

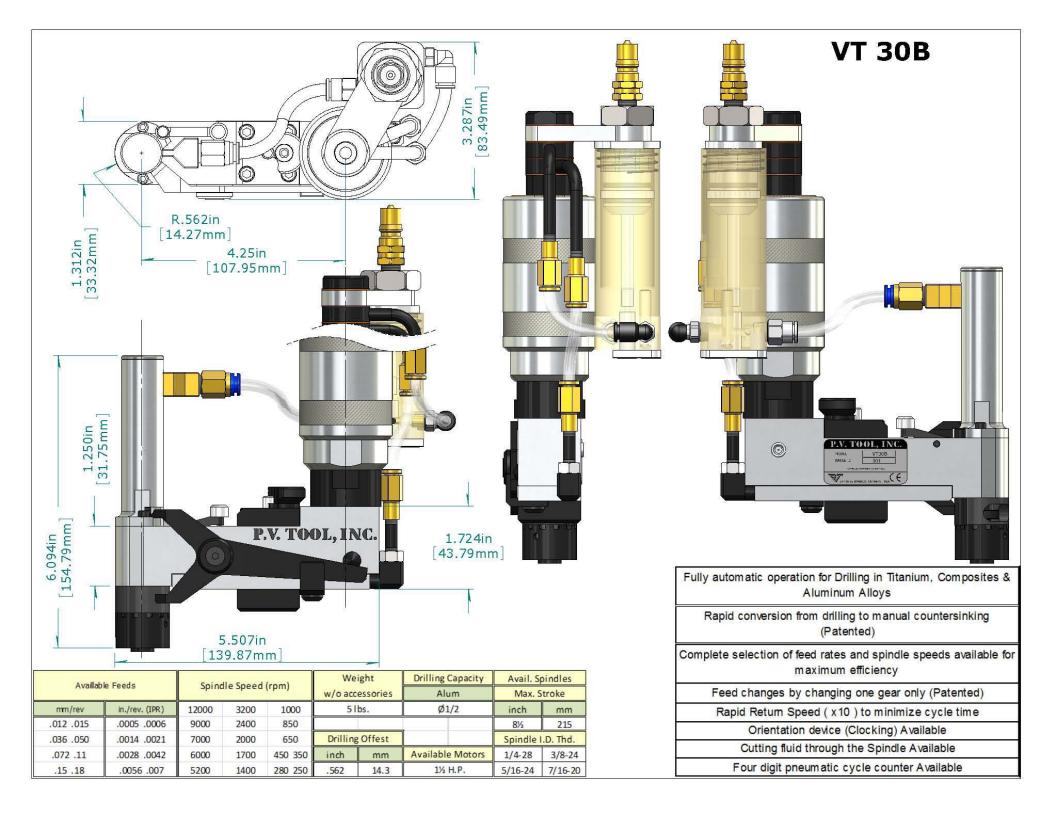
Rapid conversion from drilling to manual countersinking (Patented)

Availlable Feeds		Spindle Speed (rpm)			Weight		Drilling Capacity	Drilling Capacity Avail. Spindles		Complete selection of feed rates and spindle speeds available for maximum efficiency
AVdillab	ie reeus	Spindle Speed (rpm) w/o accessories Alum Max. Stroke		Stroke						
mm/rev	in./rev. (IPR)	4500	850	280	5 lbs.		Ø 3/8 inch mm		mm	Feed changes by changing one gear only (Patented)
.012 .015	.0005 .0006	3200	600	220				81/2	215	Rapid Return Speed (x10) to minimize cycle time
.036 .050	.0014 .0021	2400	450	150	Drilling	Offest		Spindle	I.D. Thd.	Orientation device (Clocking) Available
.072 .11	.0028 .0042	1800	325	120	inch	mm	Available Motors	1/4-28	3/8-24	Cutting fluid through the Spindle Available
.15 .18	.0056 .007	1100	200	80 60	.562	14.3	3/4 H.P.	5/16-24	7/16-20	Four digit pneumatic cycle counter Available

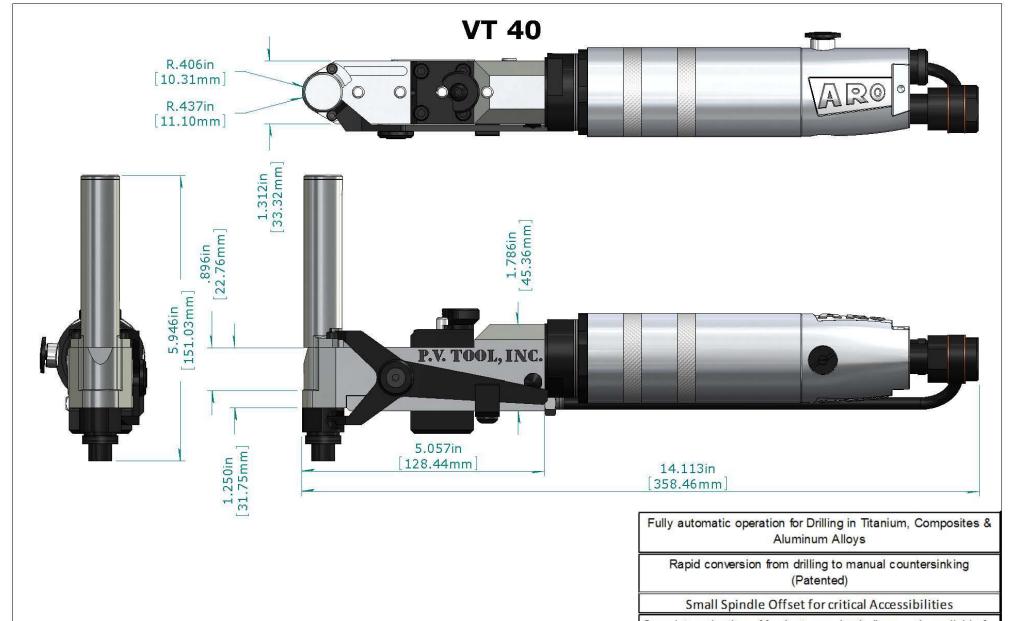
VT 30







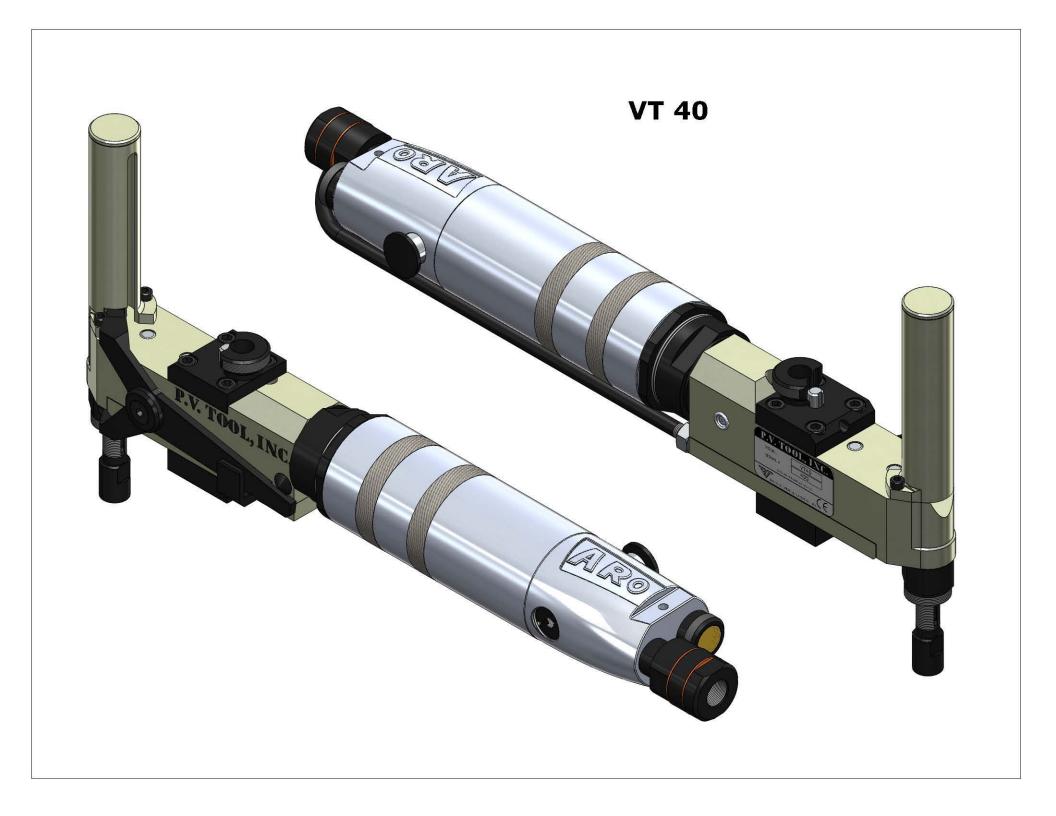


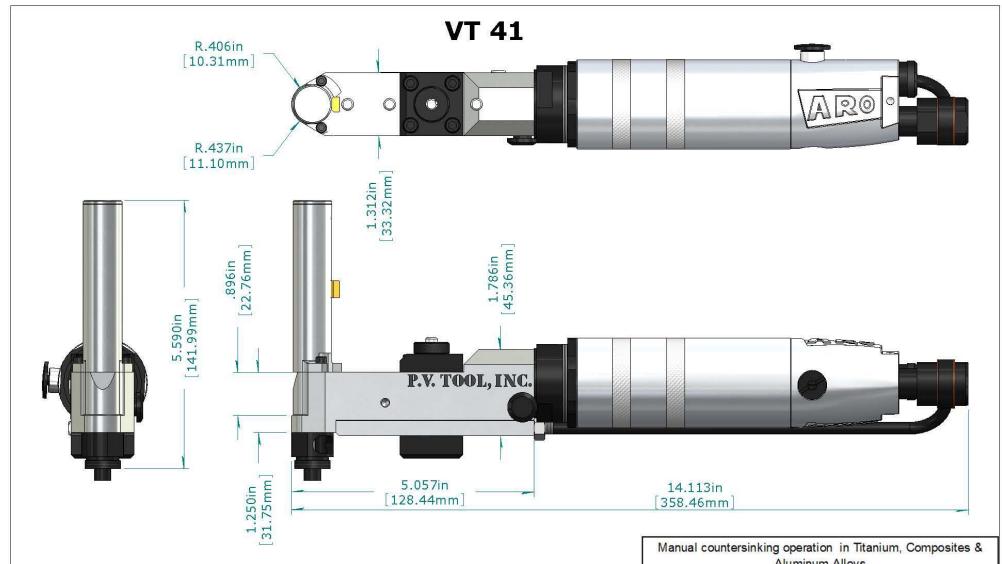


	Available Feeds		Spindle Speed (rpm)			Weight		Drilling Capacity	Avail. Spindles		
	Availab	ie reeus	Spine	ne speed ((ipini)	w/o accessories		Alum	Max. Stroke		
m	m /rev	in./rev. (IPR)	4500	1800	1500	4 lbs.		Ø3/8	inch	mm	
.03	3 .053	.001 .0021	3200	1100	850				3¾	95	
	106	.0042		550	350	Drilling	Offest		Spindle	.D. Thd.	
	159	.0063				inch	mm	Available Motors 1/4-28		20	
	.212	.0084				.437 11.1 3/4 H.P.		1/4	- 20		

Complete selection of feed rates and spindle speeds available for maximum efficiency

Feed changes by changing one gear only (Patented)
Rapid Return Speed (x 10) to minimize cycle time
Orientation device (Clocking) Available
Cutting fluid through the Spindle Available
Four digit pneumatic cycle counter Available





	_	15					200-	_	
Augilah	le Feeds	Cnine	dle Speed (rnm)	Weight w/o accessories		C'Sink Capacity	Avail. Spindles Max. Stroke	
Availab	ne reeds	Spine	ne speeu (трип			Alum		
mm/rev	in./rev. (IPR)	4500	1800	1500	41	bs.	Ø1/2	inch	mm
.03 .053	.001 .0021	3200	1100	850				23/4	70
.106	.0042		550	350	Drilling	g Offest		Spindle I	.D. Thd.
.159	.0063				inch	mm	Available Motors	1/4 20	
.212	.0084				.437	11.1	3/4 H.P.	1/4-28	

Aluminum Alloys

Countersink dept accuracy ±.001"

Small Spindle Offset for critical Accessibilities

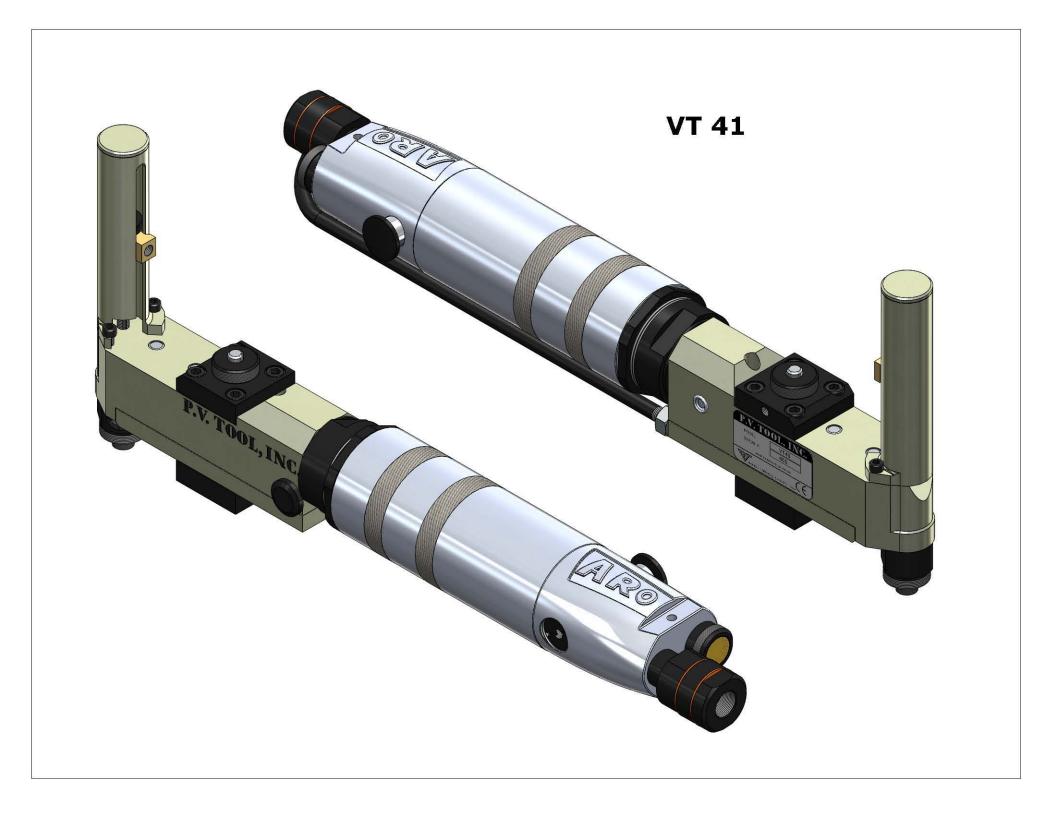
Complete selection of feed rates and spindle speeds available for maximum efficiency

Feed changes by changing one gear only (Patented)

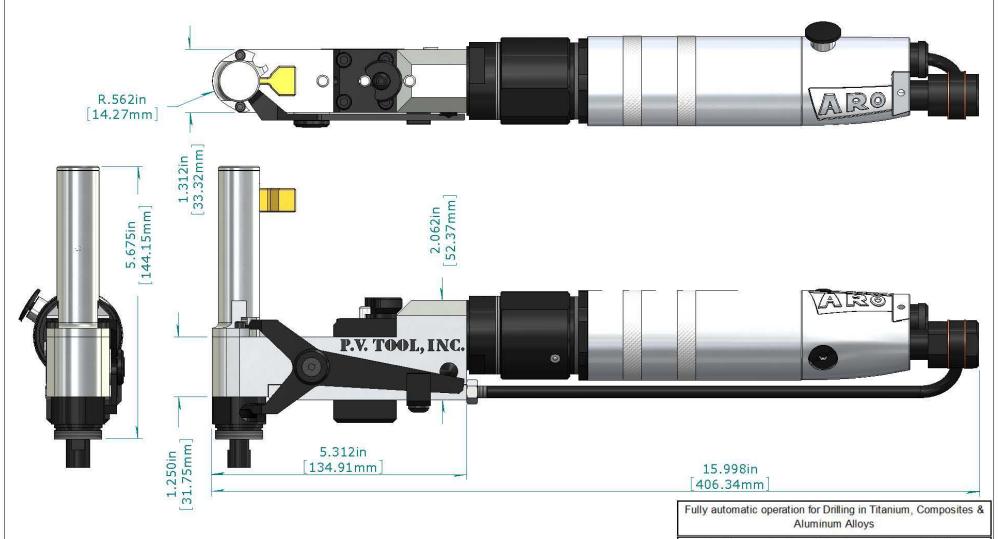
Rapid Return Speed (x10) to minimize cycle time Orientation device (Clocking) Available

Cutting fluid through the Spindle Available

Four digit pneumatic cycle counter Available







Available Feeds Spindle Speed			(rpm)	We	ight	Drilling Capacity	Avail. Spindles		Co	
Avdilido	эрти	ne speed	(ipiii)	w/o accessories		Alum Max. St				
mm /rev	in./rev. (IPR)	4500	850	280	5 lbs.		Ø 3/8	inch	mm	-
.012 .015	.0005 .0006	3200	600	220				8½	215	\vdash
.036 .050	.0014 .0021	2400	450	150	Drilling Offest			Spindle I	.D. Thd.	
.072 .11	.0028 .0042	1800	325	120	inch	mm	Available Motors	1/4-28	3/8-24	
.15 .18	.0056 .007	1100	200	80 60	.562	14.3	3/4 H.P.	5/16-24	7/16-20	

Rapid conversion from drilling to manual countersinking (Patented)

Complete selection of feed rates and spindle speeds available for maximum efficiency

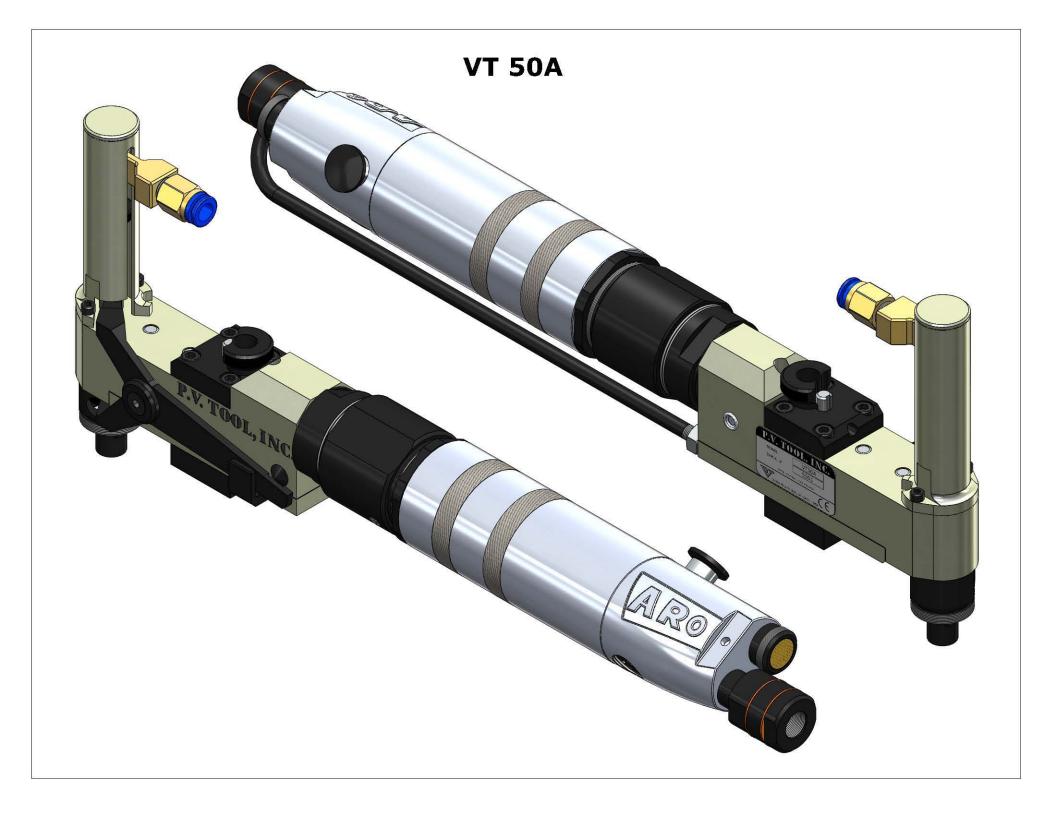
Feed changes by changing one gear only (Patented)

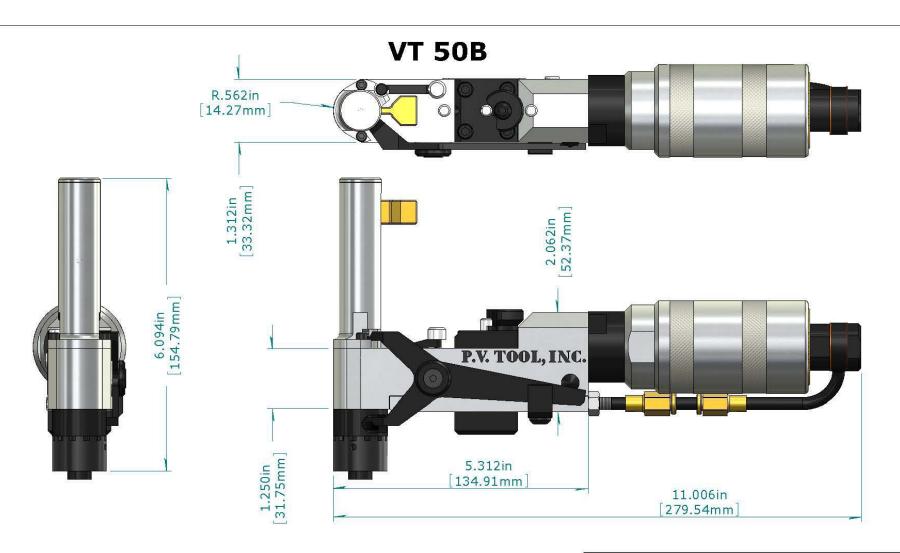
Rapid Return Speed (x10) to minimize cycle time

Orientation device (Clocking) Available

Cutting fluid through the Spindle Available

Four digit pneumatic cycle counter Available





A	Availlable Feeds		Spindle Speed (rpm)			ight	Drilling Capacity	Avail. Spindles		
Availab	ie reeds	Spino	ile Speed	(rpm)	w/o accessories		Alum	Max. Stroke		
mm/rev	in./rev. (IPR)	12000	3200	1000	51	bs.	Ø1/2	inch	mm	
.012 .015	.0005 .0006	9000	2400	850				8½	215	
.036 .050	.0014 .0021	7000	2000	650	Drilling	g Offest		Spindle	I.D. Thd.	
.072 .11	.0028 .0042	6000	1700	450 350	inch	mm	Available Motors	1/4-28	3/8-24	
.15 .18	.0056 .007	5200	1400	280 250	.562	14.3	1½ H.P.	5/16-24	7/16-20	

Fully automatic operation for Drilling in Titanium, Composites & Aluminum Alloys

Rapid conversion from drilling to manual countersinking (Patented)

Complete selection of feed rates and spindle speeds available for maximum efficiency

Feed changes by changing one gear only (Patented)

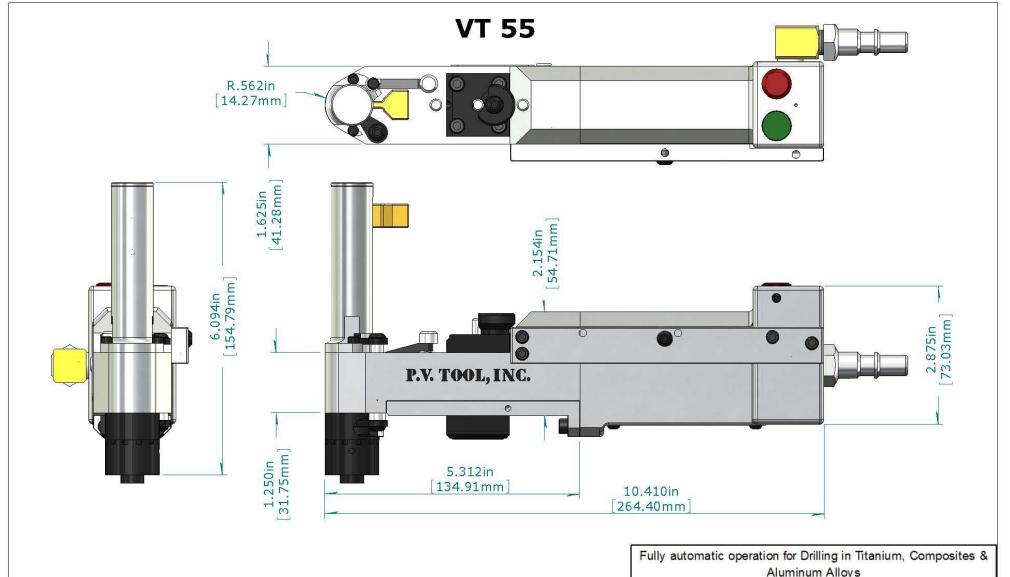
Rapid Return Speed (x10) to minimize cycle time

Orientation device (Clocking) Available

Cutting fluid through the Spindle Available

Four digit pneumatic cycle counter Available

VT 50B

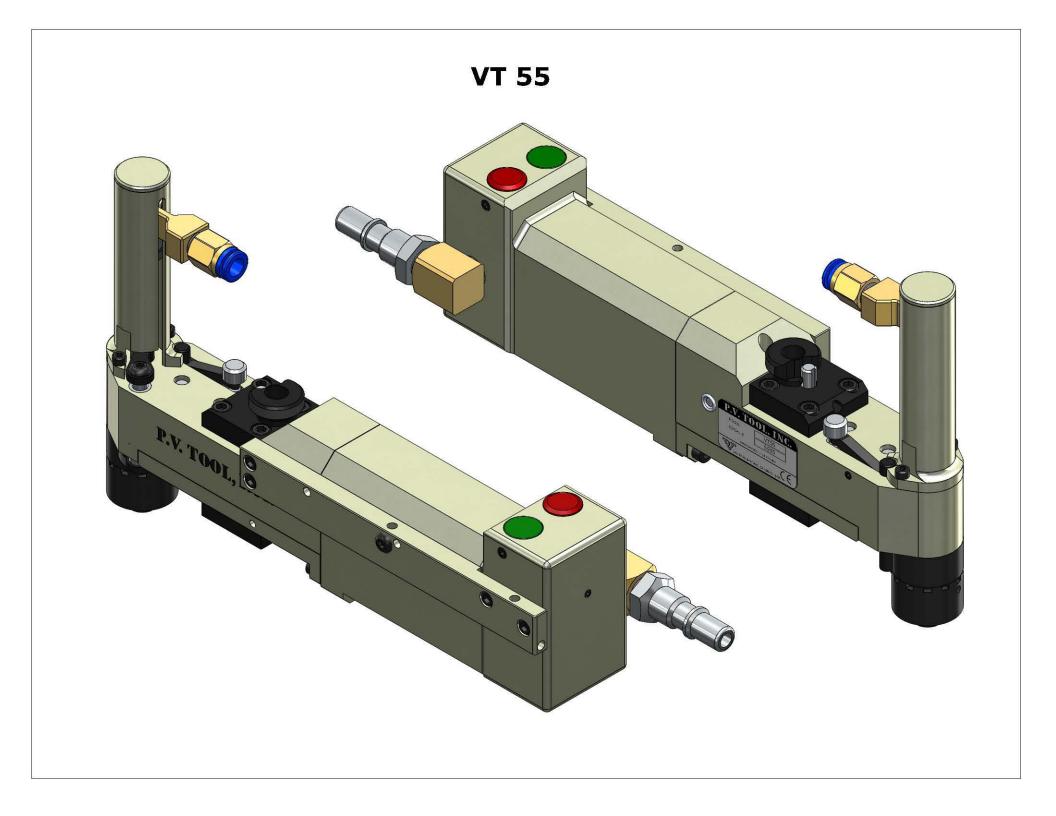


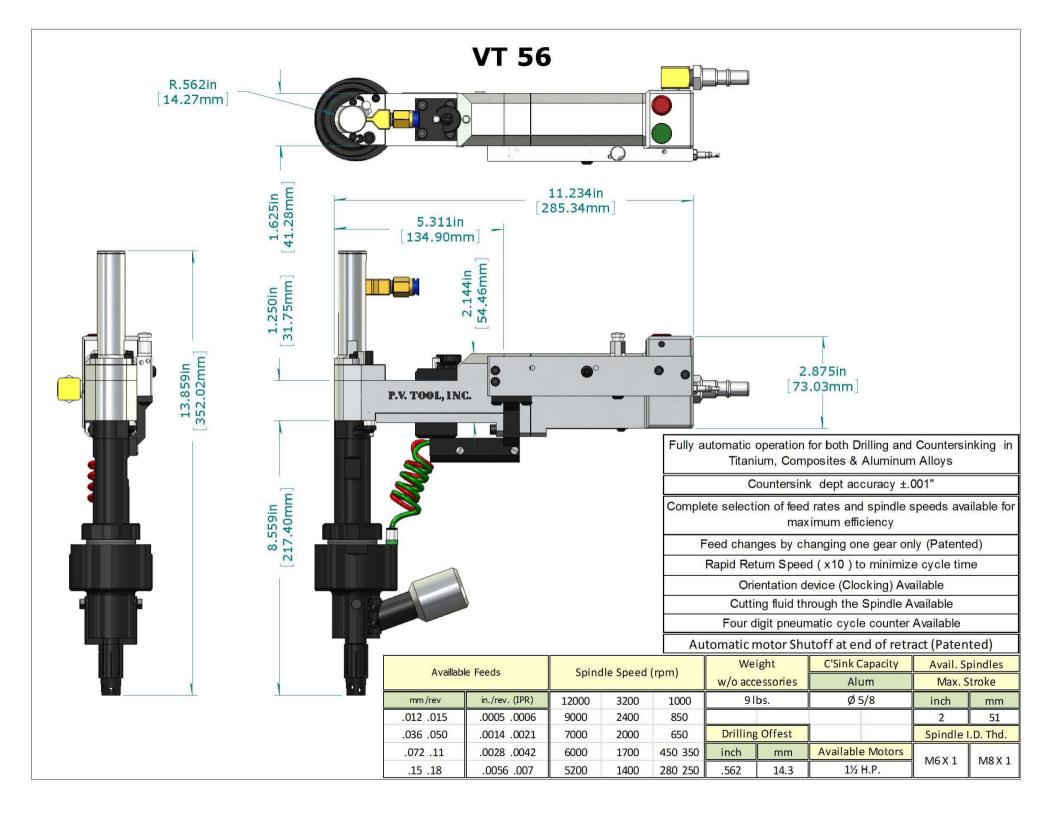
Aluminum Alloys

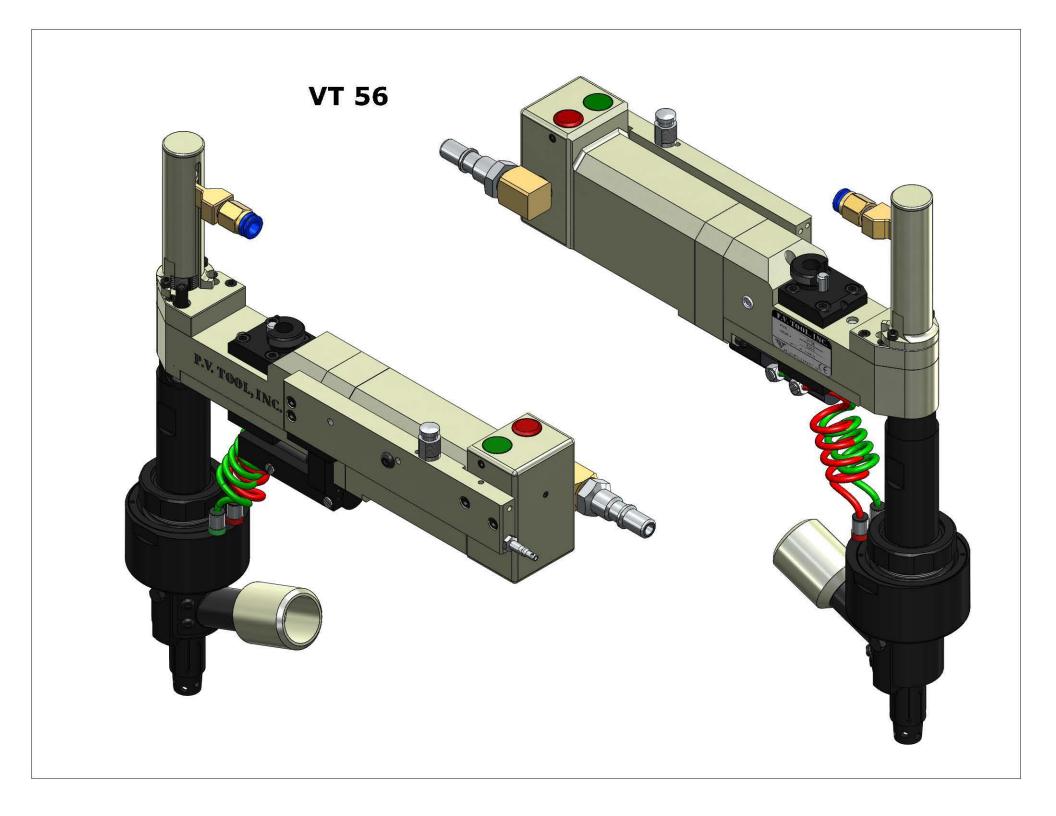
Complete selection of feed rates and spindle speeds available for maximum efficiency

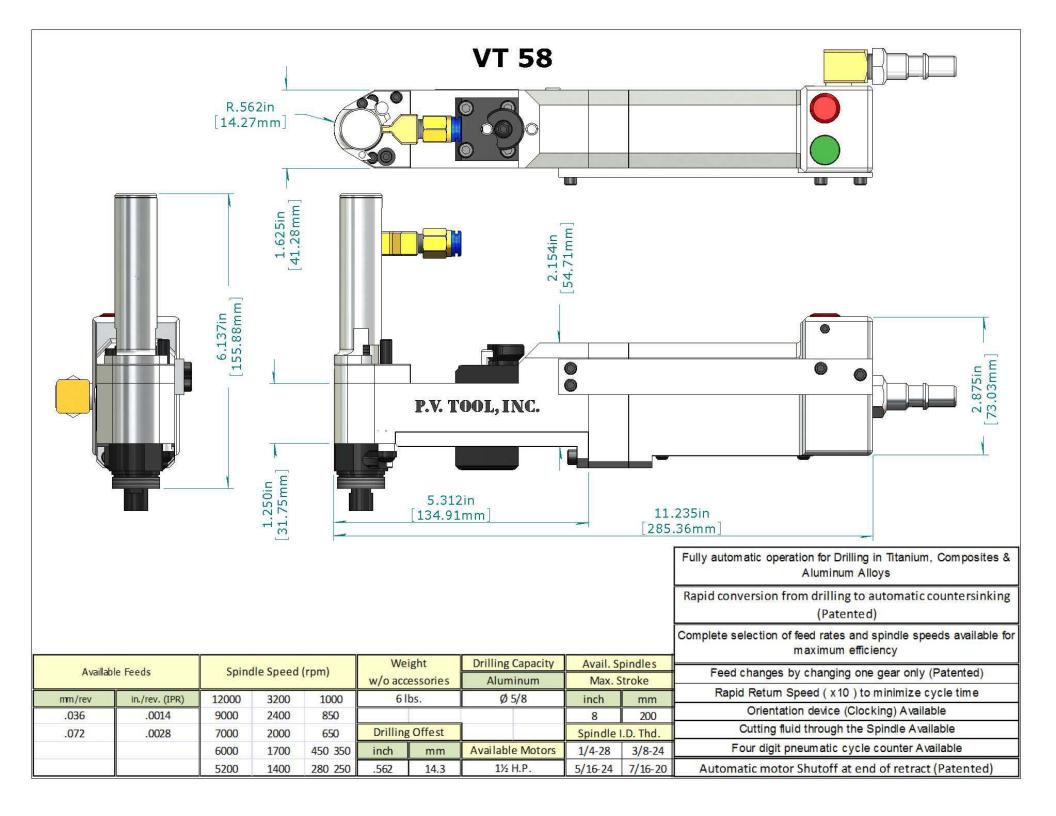
Feed cha	pindles	Avail. S	Drilling Capacity	Weight Drilling		Spindle Speed (rpm)			r e i	A 3 _L F	
Rapid F	Max. Stroke		Alum	essories	w/o acce	(rpm)	ie speed	Spina	Availlable Feeds		
C	mm	inch	Ø 9/16	os.	611	1000	3200	12000	in./rev. (IPR)	mm/rev	
0	200	8				850	2400	9000	.0005 .0006	.012 .015	
Cu	.D. Thd.	Spindle I		Offest	Drilling	650	2000	7000	.0014 .0021	.036 .050	
Four	3/8-24	1/4-28	Available Motors	mm	inch	450 350	1700	6000	.0028 .0042	.072 .11	
Automatio	7/16-20	5/16-24	1½ H.P.	14.3	.562	280 250	1400	5200	.0056 .007	.15 .18	

Feed changes by changing one gear only (Patented)
Rapid Return Speed (x10) to minimize cycle time
Orientation device (Clocking) Available
Cutting fluid through the Spindle Available
Four digit pneumatic cycle counter Available
Automatic motor Shutoff at end of retract (Patented)

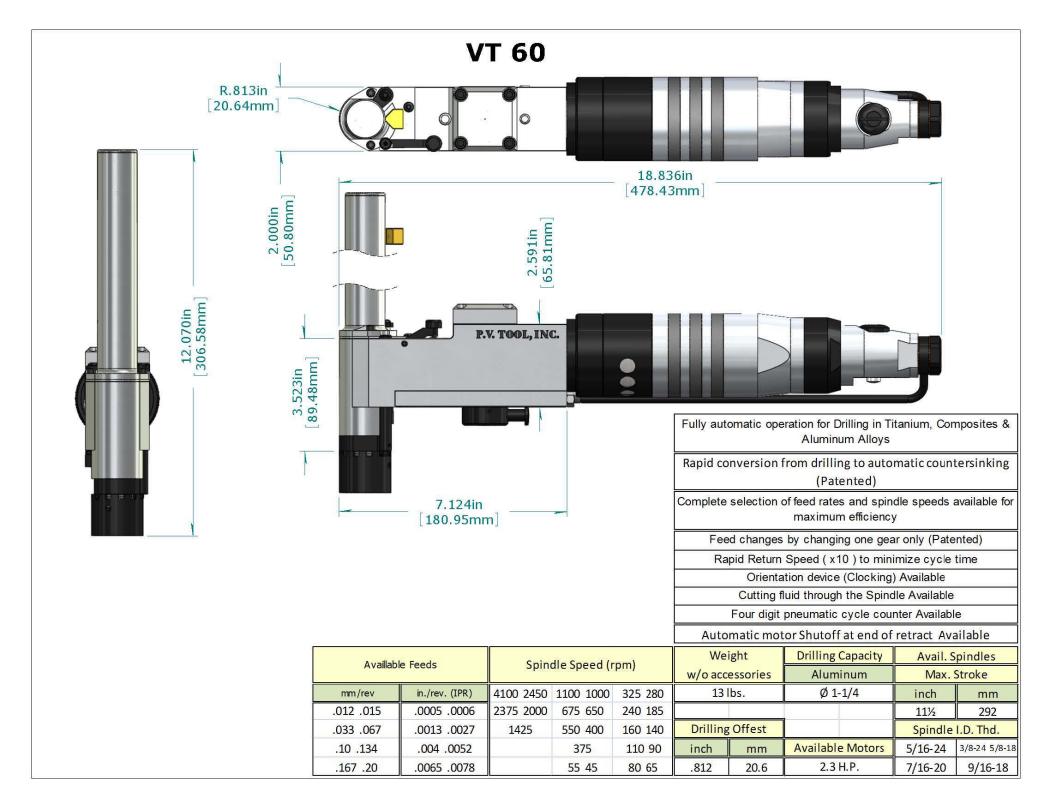


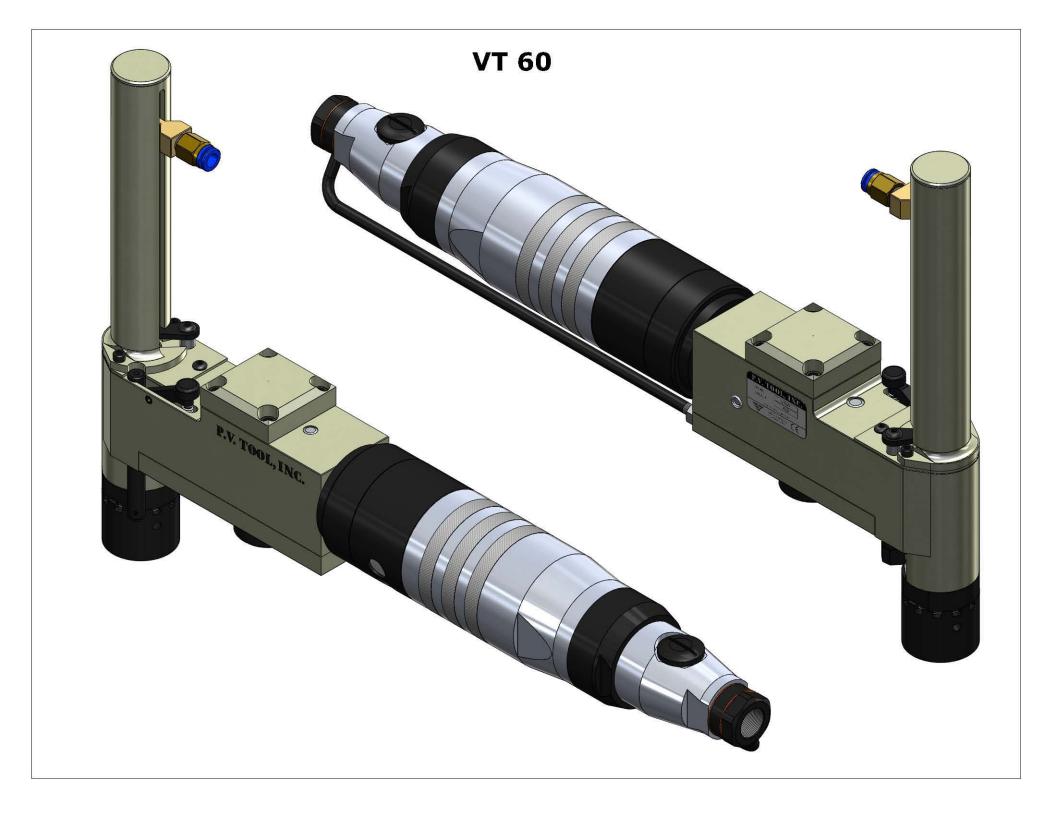


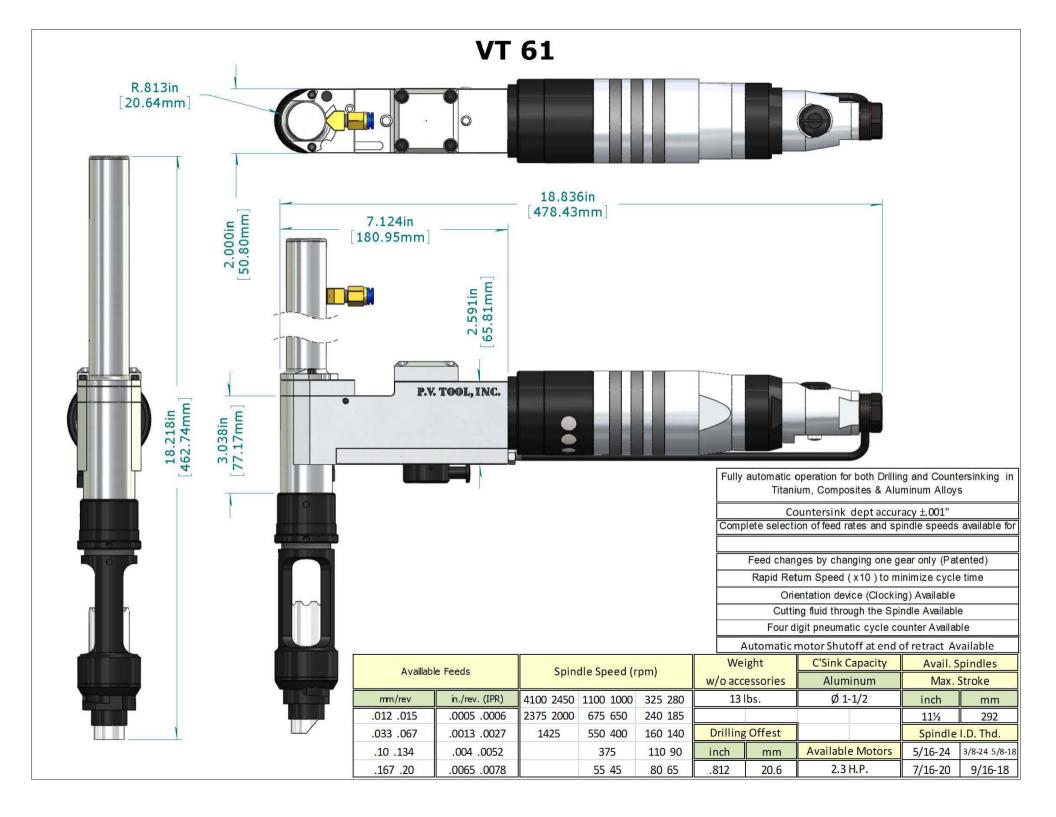




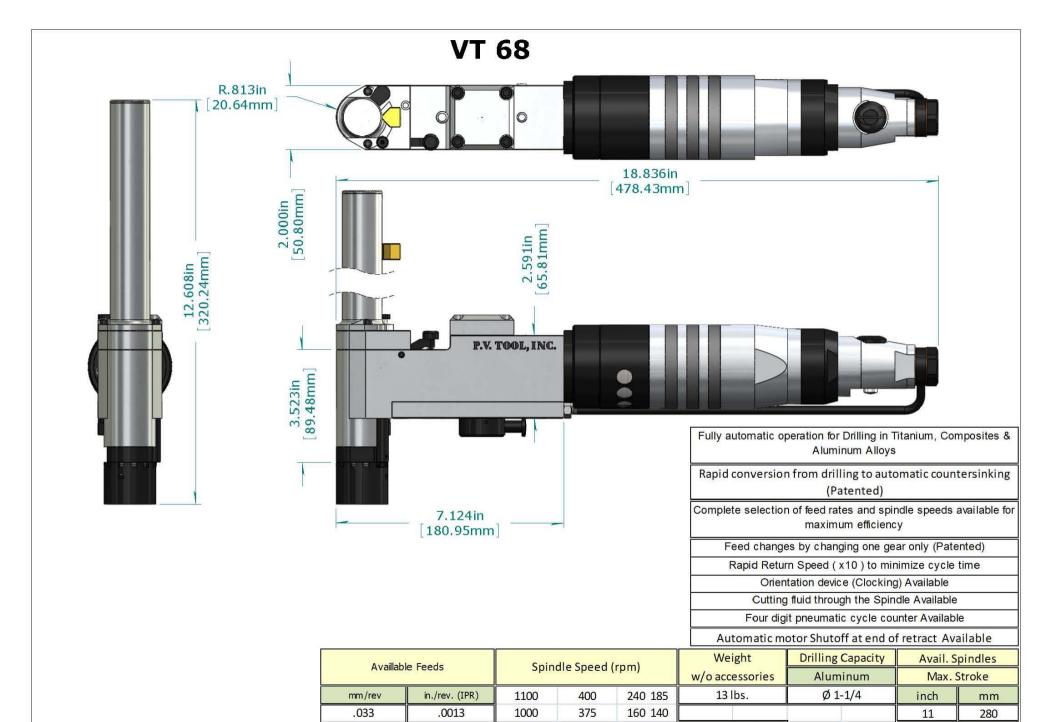
VT 58







VT 61



675

650

550

325

280

325 280

.067

.10

.0027

.004

Drilling Offest

mm

20.6

inch

.812

Available Motors

2.3 H.P.

Spindle I.D. Thd.

3/8-24 5/8-18

9/16-18

5/16-24

7/16-20

110 90

80 65

55 45

