

# Semi-automatic winding machine

**2PVLU/220**

**4PVLU/330**

**2PVLU/350**

**4PVLU/450**

**2PVLU/650**

**1PVLU/820**

Auxiliary machines

**The widest range  
of winding machines**



## 4PVLU/450

- 4 spindles
- Maximum bobbin diameter: 140 mm
- Maximum bobbin traverse: 450 mm
- Speed (50 Hz): 2,175 R.P.M. maximum
- Motor power: 1.1 KW/1.5 CV
- Pitch adjustment: from 0 to 11 mm
- Side thrust (Newtons): 220 N maximum
- Length in mm: 813
- Width in mm: 1,000
- Height in mm: 1,750
- Weight in Kg: 284



## 4PVLU/330

- 4 spindles
- Maximum bobbin diameter: 80 mm
- Maximum bobbin traverse: 330 mm
- Speed (50 Hz): 1,160 / 2,175 / 3,262 R.P.M.
- Motor power: 0.75 Kw / 1 CV
- Pitch adjustment: by hand from 0 to 11 mm
- Side thrust (Newtons): 110 N maximum
- Length in mm: 835
- Width in mm: 775
- Height in mm: 1,655
- Weight in Kg: 193





## 2PVLU/220

- 2 spindles
- Maximum bobbin diameter: 80 mm
- Maximum bobbin traverse: 220 mm
- Speed (50 Hz): 1,500 R.P.M.
- Motor power: 0.37 Kw / 0.5 CV
- Pitch adjustment: by hand from 0 to 10 mm
- Side thrust (Newtons): 110 N maximum
- Length in mm: 400
- Width in mm: 300
- Height in mm: 450
- Weight in Kg: 40



## 2PVLU/350

- 2 spindles
- Maximum bobbin diameter: 110 mm
- Maximum bobbin traverse: 350 mm
- Speed (50 Hz): 2,175 R.P.M. maximum
- Motor power: 0.75 Kw / 1 CV
- Pitch adjustment: by hand from 0 to 11 mm
- Side thrust (Newtons): 110 N maximum
- Length in mm: 850
- Width in mm: 650
- Height in mm: 1,567
- Weight in Kg: 191







## 2PVLU/650

- 2 spindles
- Maximum bobbin diameter: 250 mm
- Maximum bobbin traverse: 650 mm
- Speed (50 Hz): 81 R.P.M.
- Motor power: 1.5 Kw / 2 CV
- Pitch adjustment: by hand from 0 to 16 mm
- Side thrust (Newtons): 160 N maximum
- Length in mm: 900
- Width in mm: 1,200
- Height in mm: 1,800
- Weight in Kg: 355



## 1PVLU/850

- 1 spindles
- Maximum bobbin diameter: 365 mm
- Maximum bobbin traverse: 730 and 820 mm
- Heads maximum speed: 430 R.P.M.
- Yarn maximum speed: 80 m/min
- Motor power: 2.2 Kw / 3 CV
- Pitch adjustment: by hand from 3 to 40 mm
- Side thrust (Newtons): 520 N maximum
- Length in mm: 750
- Width in mm: 1,500
- Height in mm: 1,600
- Weight in Kg: 525

# Ratera® semi-automatics: A winding machine for every need.

The wide range of semi-automatic winding machines ensures the right winding for every need.

A good start leads to a good ending. Achieve control, accuracy, quality and robustness from the very first moment of production with our semi-automatic winding machines.



## Technical Characteristics



## Standard

	2PVLU/220	4PVLU/330	2PVLU/350	4PVLU/450	2PVLU/650	1PVLU/820
Number of Spindles	2	4	2	4	2	1
System	Uhing	Uhing	Uhing	Uhing	Uhing	Uhing
Pitch adjustment	From 0 to 11 mm	From 0 to 11 mm	From 0 to 11 mm	From 0 to 11 mm	From 0 to 16 mm	From 3 to 40 mm
Flange maximum Ø	80 mm	90 mm	110 mm	140 mm	250 mm	365 mm
Minimum traverse	70 mm	70 mm	120 mm	130 mm	170 mm	730 mm
Maximum traverse	220 mm	330 mm	350 mm	450 mm	650 mm	820 mm
Heads maximum speed to 50/60Hz	1,450 / 1,740 rpm	3,262 / 3,915 rpm	2,175 / 2,610 rpm	2,175 / 2,610 rpm	300 rpm	430 rpm
Motor power	0.37 Kw	0.75 Kw	0.75 Kw	1.1 Kw	1.5 Kw	2.2 Kw
Tensioners	1	1	1	1	1	X
Knock off switches per bobbin	4	3	3	4	4	X
Yarn maximum Ø	2.5 mm	4 mm	7.5 mm	7.5 mm	12 mm	38 mm
Side thrust maximum	110 N	110 N	110 N	220 N	160 N	520 N
Lenght	300 mm	750 mm	1,000 mm	1,400 mm	1,200 mm	750 mm
Width	400 mm	835 mm	650 mm	1,050 mm	900 mm	1,500 mm
Height	450 mm	1,655 mm	1,570 mm	1,750 mm	1,800 mm	1,600 mm
Weight	40 Kg	193 Kg	191 Kg	284 Kg	355 Kg	525 Kg

## Options

	2PVLU/220	4PVLU/330	2PVLU/350	4PVLU/450	2PVLU/650	1PVLU/820
Maximum knock off switches per bobbin	15	8	3	5	10	X
Meter counter	Yes	Yes	Yes	Yes	Included	Included
Slow start (variable frequency drive)	Yes	Yes	Yes	Yes	Included	Included
Creel	No	No	No	No	No	No

