TwinTec Vario *Three Into One Does Go*

A comfortable, driver friendly, 120-litre, front wheel drive machine with a fantastic turning radius, gets in and out of places other machines just won't go.

The TwinTec Vario "three in one" (3 in 1) design has proved itself to be almost the perfect balance between sound common sense engineering and innovative and truly functional technology.

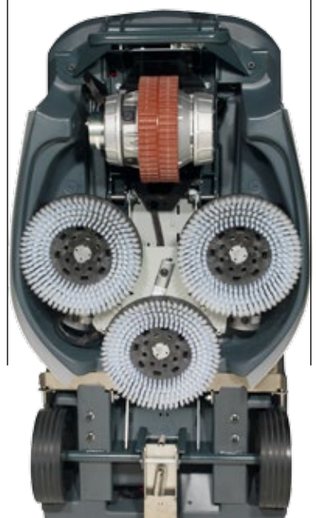
Yes, one machine which can be set to 3 different working widths: 650, 750 and 850 and all at the flick of a simple selection lever. This doesn't even need tools – anybody can do it at any time. You want it wide – fine...
you want it narrow – 30 seconds is all that it takes.

TTV678

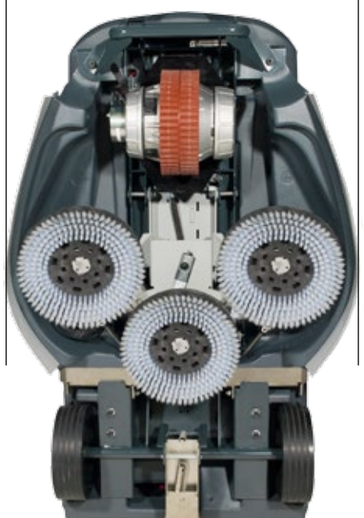
The Vario TTV678, three brush widths in one system

The unique arrangement of 3 independent scrubbing heads which, by virtue of a simple adjustment mechanism, can provide a choice of scrubbing widths which, with the addition of a selection of brushes and pads, can provide customised performance on almost any surface application.

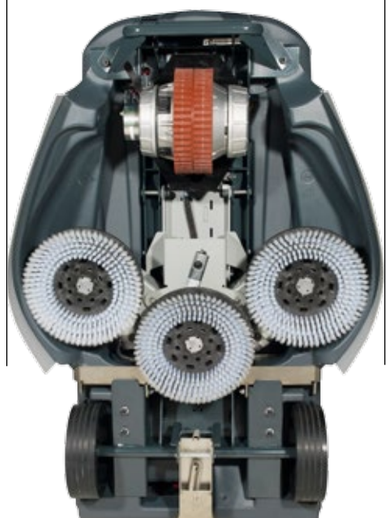
650mm



750mm



850mm



As unique today as when it started - patented technology

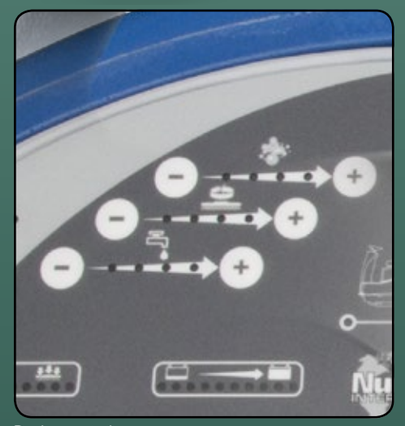
- **Vario 3 In 1 Brush System**
  Simple adjustment mechanism provides a choice of scrubbing widths suitable for almost any surface.
- **Easy Dosing Pre-sets**
  Correct chemical dosing for every task.
- **Complete Cleaning Control**
  Operator has full control of cleaning speed, brush speed, water flow and chemical dosing.
- **Simple Operator Control**
  Soft touch dashboard control system.
- **Easy Maintenance**
  Easy access to batteries and fuses for service purposes and brush change is simple with the swing out brush cover.
- **On Board Charger**
  Simple and convenient, just plug and go. Fully sealed low maintenance Gel batteries.
- **Small Turning Radius**
  Means great cleaning even in tight spaces.
- **Safety Features**
  Emergency stop button, power off removable key, horn button and hazard warning light and built in reversing alarm are just a few of the many safety features included.
- **Easy Maintenance**
  Easy access to batteries and fuses for maintenance.

Control panel

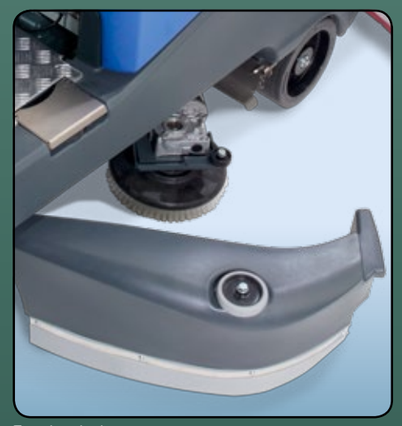
Vario, the machine that gives you what you want.

In many applications changing circumstances change specific needs, so with the Vario you can change the specification to suit your exact requirements. It's not only the working widths that can be changed; it's the full operating performance that is under the driver's complete control – cleaning speed, brush speed, water flow and chemical dosing, nothing left to chance.

Hazard light



Dosing controls



Easy brush change

Model	Brush Motor	Vac Motor	Power	Run Time	Traction Drive	Drive Speed	Cleaning Speed	Climbing Gradient
TTV678	3x24V 400W	24V 400W	6 x 12V (24V) = 300Ahr 8 x 12V (24V) = 400Ahr (Optional)	3.5 Hrs 4.5 Hrs	600W	7.0km/h	3.5km/h	11%

Scrub Widths	Brush Speed	Water Capacity	Nuchem Capacity	Water Flow Rate	Nuchem Mix	Gross Weight (full)	Dimensions (WxLxH)
650mm 750mm 850mm	50/100/ 150/200rpm	120L	Optional 5L	4L/min 3L/min 2L/min 1L/min	25:1 50:1 75:1 100:1	6x12V+620kgs 8x12V+684kgs	1054x1676x1425mm

(See page 32 for full accessories)