



novara

Precision Digital Textile Coating

The Novara digital textile coating technology delivers high precision non-contact application of functional coatings for medical-grade textiles. Combining the throughput of conventional coating technologies, with the precision of digital, Novara enables medical product innovations and dramatic manufacturing cost reductions. By only delivering coating where it is needed, with precision 2D patterning and registered two-sided coating, Novara is a breakthrough manufacturing technology for the next generation of high value, low cost medical textile applications.

Benefits:

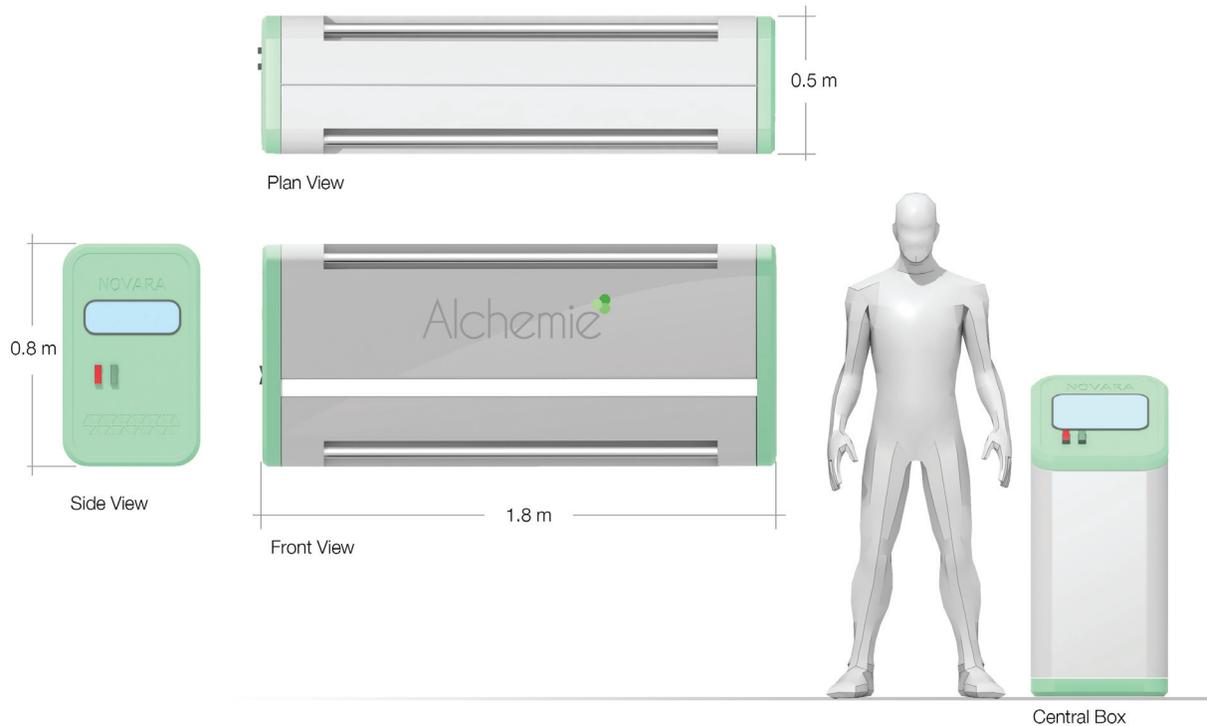
- 1. Hygienic non-contact process**
 - Medical grade materials
 - Stainless steel construction
 - Clean-in-place design
- 2. Precision digital placement of coatings**
 - 2D Patterning
 - Two-sided application
- 3. More profitable production**
 - Reduced materials
 - Reduced inventory
 - Less energy
 - Lowered labour costs
- 4. Digital productivity**
 - Rapid changeovers
 - Short runs at low cost
 - Reduced waste



Novara – an Integrated Precision Digital Textile Coating Solution

The Novara system is an integrated textile coating module that can be delivered as a stand-alone machine or as a module that can be retrofitted to an existing textile line. It includes an integrated infra-red dryer for water-based coatings that operates in-line with the digital coating module to deliver an ultra-compact solution. The system has an automated fluid supply that delivers fast fluid changeovers in less than five minutes.

Novara Precision Digital Coater 1.8 m wide



Technical specification:

Throughput	~2 litres per minute at 1.8 m wide (~50 gsm wet add-on)
Coating fluids	Up to 200 cPoise
2D pattern resolution	500 microns / ~50 dots per inch
Sided application	Single or duplex application
Drying	IR inline (optional)
Web width	0.6, 1.8 and 3.6 m
Coatings demonstrated	Hydrophobic, stain resistant, fire retardant, conductive, anti-microbial, medical device microencapsulated, nanoparticles,
Substrates	Polyester, Nylon, Cotton, Wool, Blends
Substrate basis weight	50 – 1000 gsm
Changeover time	< 5 mins, automated

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