

# Processing of TitanShield®-products



HVLP-spray-technique stands for High Volume Low Pressure. The sprayed liquid is transported in a very low pressure (max. 0,5 bar) but high air volume (max. 3.300 l/min).

Contrary to the high-pressure-technique this method allows a high material-transfer rate between spray valve and surface. Titanium dioxide applications usually are aqueous

solutions. That's why the usage of very precise needle - spray valve combinations is just as important for a precise application as the correct spray-technique.

## HVLP - spray unit



### Description:

Based on the established GRACO™-technology we compiled a set of solid machines. All components meet the highest industrial requirements of reliability and suitability.

This set enables the use of the spraygun with suction- and flowing-bowl as well as the haulage of the necessitated fluid out of an xl-tank. This way a fatigue-proof way of working is also guaranteed when bigger surfaces shall be coated. The high-power turbine has two power levels and a control lamp that signalizes if the filter has to be cleaned.

All relevant adjustments happen directly at the spraygun. The change between bowl and material rope happens via practical and robust fast-changing-connectors. The needle-injector-combination used in our set is matched with the application of TitanShield®-products and not available on the market.

The external xl-tank contains 11,3 litres, is very robust and due to a integrated carrying handle easy to manage. In case of using two tanks with fast-changing-connectors with integrated valve quick changes of material (e.g. primer and top-coat) are easily to manage.

The necessitated pressure for transporting the material from tank to spraygun is provided by an additional compressor with a continuously regulation of compression. The set contains all components and ropes (incl. one xl-tank) that are needed for the function of the unit.

### Technical information:

#### Turbine:

connection:	230 V / 50Hz
max. air flow rate:	3.300 l/min
max. operating pressure:	0,5 bar
weight:	17,5 kg
length of air tube:	9 m
length of material tube:	9 m

#### Compressor:

connection:	230 V / 50Hz
engine performance:	125 W
pressure:	0,5 to 3,5 bar
component part:	water separator
weight:	6,5 kg

#### XL-tank:

capacity:	11,3 Liter
material:	high quality steel

#### Scope of delivery:

- HVLP turbine
- spraygun with spec. needle/injector set
- suction-/flowing-bowl
- extern conveying compressor
- XL-tank
- air tube
- material tube
- all adapters

