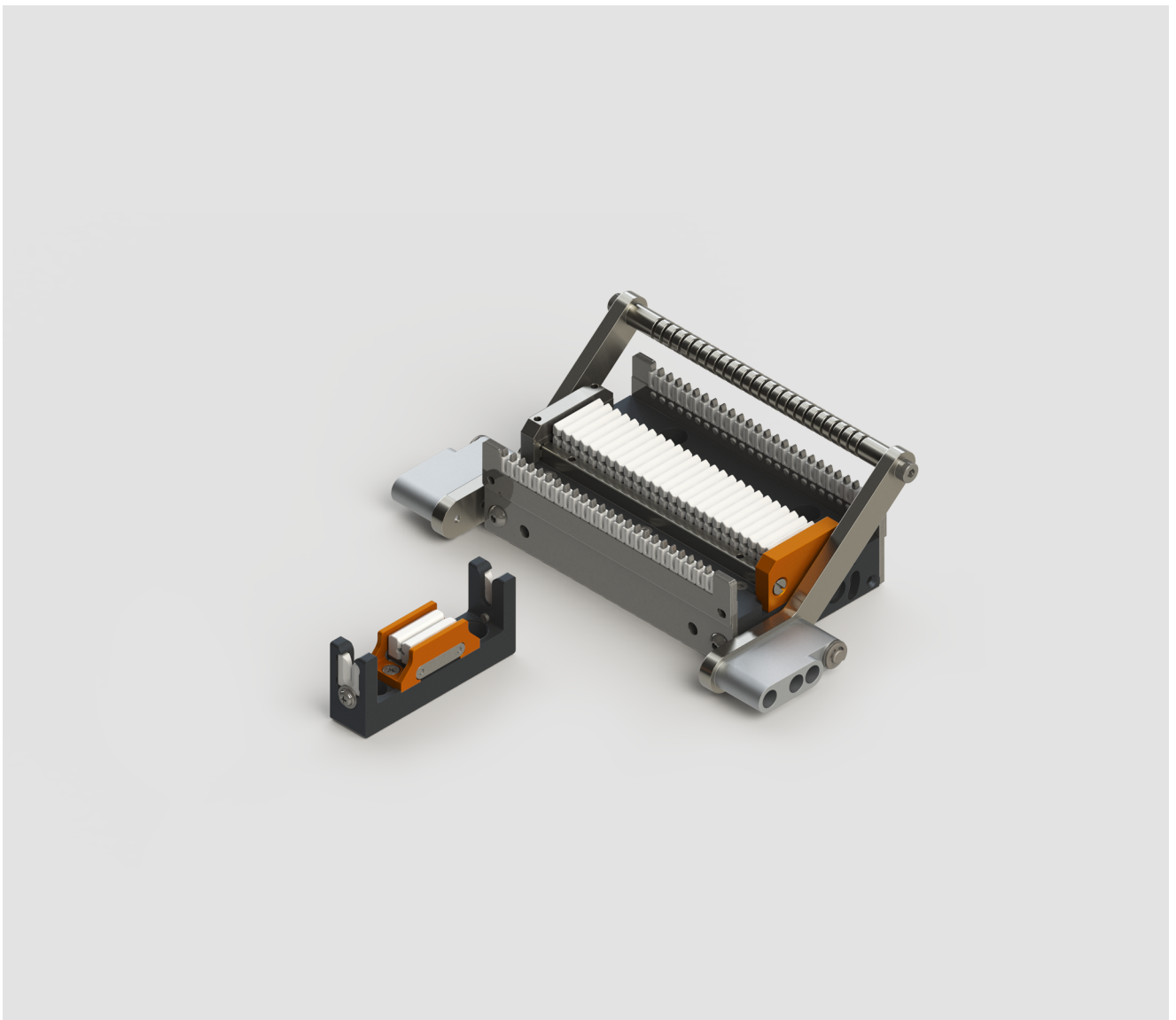




FACTSHEET

PolyJet-2 HP.

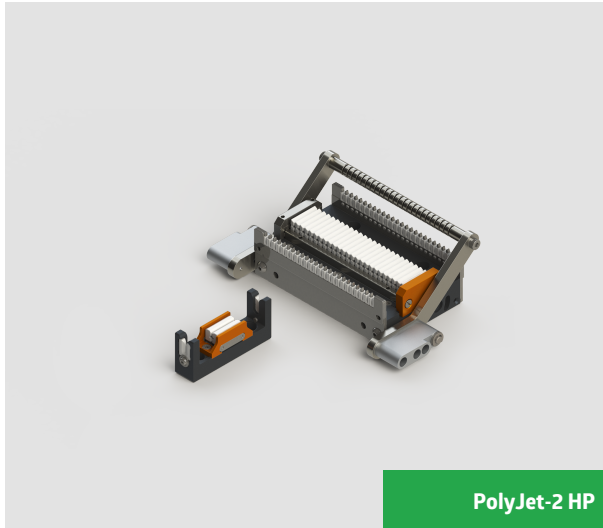
Air interlacing for the filament spinning plant



HEBERLEIN® PolyJet-2 HP.

High-performance air interlacing jets for textile filament yarns

The PolyJet-2 HP allows higher interlacing performance with reduced air consumption than does the current standard. The jet is suitable for all textile multifilament yarns.



Air interlacing

In air interlacing, an air blast is used to mechanically join individual yarns to each other. The resulting interlacing knots provide the required yarn compactness. This allows higher processing speeds, resulting in improved package build and a reduced number of filament and yarn breaks during subsequent processes.

Features and Benefits

- Substantial air savings compared to the current standard
- Suitable for microfilament, fine yarns as well as normal or coarse yarns
- Higher number of interlacing knots per metre than the standard
- Retrofittable to existing PolyJet-SP-2 housing
- For highest interlacing performance
- Fast and easy threading
- Special jet housing protects high-grade ceramic plates
- Simple maintenance

HEBERLEIN® PolyJet-2 HP.

Technical Data

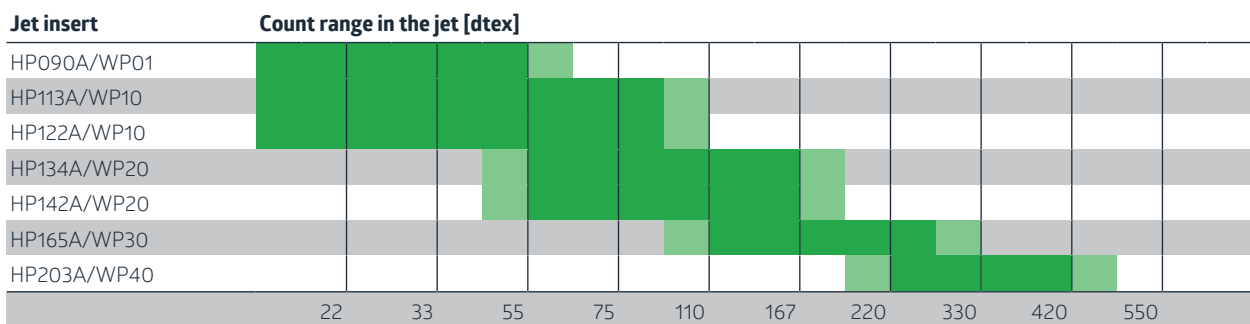
Performance values

Jet insert	Air channel [mm]	Winding speed [m/min]	Air consumption ¹ [m ³ /h]	Yarn tension after the jet [cN/dtex]	Count in jet ² [dtex]	Air pressure p _e [bar]
HP090A/WP01	0.9	... 6000	$q_v=0.376x(p_e+1)$	0.10 ... 0.25	... 55	3 ... 6
HP113A/WP10	1.1	... 6000	$q_v=0.562x(p_e+1)$	0.10 ... 0.25	... 95	3 ... 6
HP122A/WP10	1.2	... 6000	$q_v=0.669x(p_e+1)$	0.10 ... 0.25	... 95	2 ... 6
HP134A/WP20	1.3	... 6000	$q_v=0.786x(p_e+1)$	0.10 ... 0.25	55 ... 167	3 ... 6
HP142A/WP20	1.4	... 6000	$q_v=0.911x(p_e+1)$	0.10 ... 0.25	55 ... 167	2 ... 6
HP165A/WP30	1.6	... 6000	$q_v=1.190x(p_e+1)$	0.10 ... 0.25	110 ... 300	3 ... 6
HP203A/WP40	2.0	... 6000	$q_v=1.859x(p_e+1)$	0.10 ... 0.25	220 ... 420	3 ... 6

¹ Calculation formula applies from an overpressure of 0.8 bar; p_e = overpressure [bar]; q_v = air consumption [m³/h]

² the = 0.9 dtex

Count range



 = Typical applications

 = Threshold

Compressed air requirements

- Overpressure: 2.0 ... 6.0 bar
- Max. residual oil: 0.1 mg/m³(class 2*)
- Max. residual particles: (class 2*)
 - Particle size 1 μm
 - Particle density 1 mg/m³
- Max. residual water: (class 5*)
 - Residual water: 7,732 g/m³
 - Pressure dew point + 7 °C

* Quality class according to DIN ISO 8573-1



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