

# HEBERLEIN® POLYJET-2 MIGRA.

## SPIN FINISH MIGRATION FOR FILAMENT SPINNING.

### FLEXIBLE JET MODULES FOR SPIN-FINISH MIGRATION.

The PolyJet-2 Migra is used in the spinning process for effective migration of the spin finish throughout the yarn bundle. It provides manufacturers with the ability to exchange jets of various sizes on the same holder allowing a fast reaction to market trends.

#### Air Migration

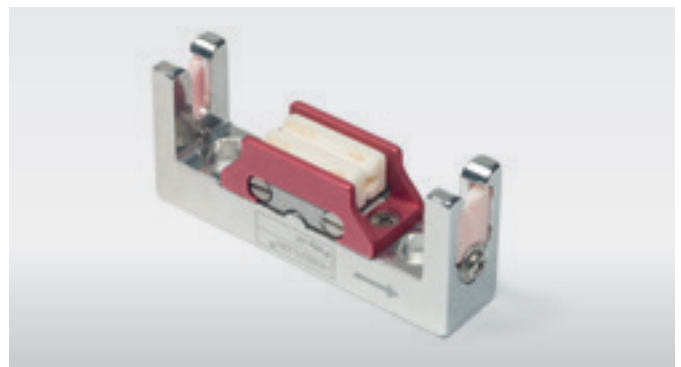
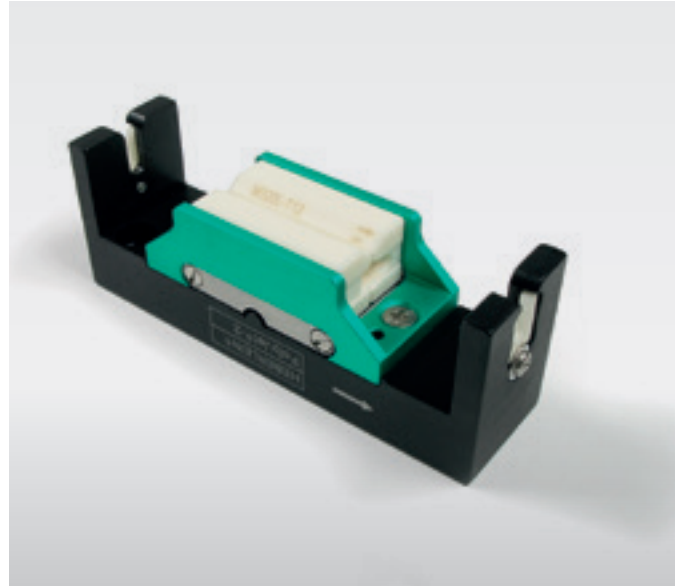
A migration jet generates a uniform, sparse distribution of the spin finish. It produces an intermingling of the filaments without interlacing knots. This leads to smoother downstream processing, improved process stability and fewer quality faults, especially for high yarn speeds, narrow pitch and microfilament yarns.

#### PolyJet-SP-2 Migra

The PolyJet-SP-2 Migra is used for all textile yarns up to 800 dtex in the jet.

#### PolyJet-TG-2 Migra

The PolyJet-TG-2 Migra is used for all technical yarns up to 10000 dtex and BCF (Bulked Continuous Filament) yarns up to a maximum 16000 dtex in the jet.



#### Features and Benefits

- ▶ Can be used in all spinning processes during the manufacture of technical multi-filament yarns from PET, PA and PP
- ▶ Increased productivity during spinning
- ▶ Low air consumption
- ▶ Easy threading
- ▶ Special jet housing protects high grade ceramic plates
- ▶ Coloured jet holders available for ease of identification
- ▶ Easy maintenance
- ▶ Available as single and multithread jets

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**HEBERLEIN AG**

# Heberlein® PolyJet-2 Migra

## Technical Data

Type	Air pressure $p_e$ [bar] <sup>1</sup>	Yarn Count in the Jet <sup>2</sup> [dtex]		Winding Speed <sup>2</sup> [m/min]		Air usage $q_{v,n}$ per yarn channel [m <sup>3</sup> /h]	For number of yarn ends	Threadline spacing [mm]
		Flat	BCF	Flat yarns	BCF yarns			
<b>PolyJet-SP-2 Migra</b>								
M130/CN14	0.5 - 2.0	- 190	-	~ 7500	-	0.786 ( $p_e+1$ )	1 up to 24	6, 16
M161/CN26	0.5 - 2.0	- 350	-	~ 7500	-	1.190 ( $p_e+1$ )	1 up to 24	6, 16
M200/CN27	0.5 - 2.0	- 800	-	- 7500	-	1.859 ( $p_e+1$ )	1 up to 24	6, 16
<b>PolyJet-TG-2 Migra</b>								
M320/CN52	0.5 - 2.0	- 5500	- 8500	- 6500	- 5000	4.759 ( $p_e+1$ )	1	30
M400/CN62	0.5 - 2.0	- 10000	- 16000	~ 6500	- 5000	7.437 ( $p_e+1$ )	1	30

<sup>1</sup> Under standard conditions according to DIN 1343: Temperature = 0 °C; Pressure = 1.01325 bar; Relative humidity = 0 %  
(1 standard cubic meter = 1.293 kg, psi = 14.7 x bar, CFM = 0.588 x m<sup>3</sup>/h).

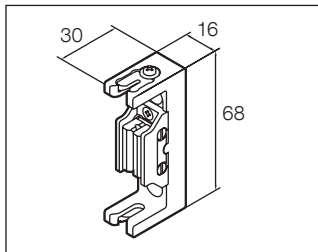
<sup>2</sup> Values for guidance: depend on the feeder yarn properties, the machine settings and the thread guides (den = 0.9 x dtex)

## Yarn Characteristics (in the water bath)

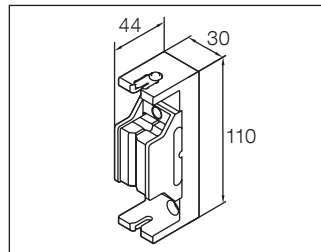
PolyJet-2 Migra



## Dimensions in mm



PolyJet-SP-2 Migra



PolyJet-TG-2 Migra

## Compressed air requirements

- Max. residual oil: 0.1 mg/m<sup>3</sup> (class 2\*)
- Max. residual particles: (class 2\*)
  - Particle size 1 µm
  - Particle density 1 mg/m<sup>3</sup>
- Max. residual water: (class 5\*)
  - Residual water 7.732 g/m<sup>3</sup>
  - Dew point + 7 °C

\* According to DIN ISO 8573-1