

Virgin Pulp	Graphic/ Speciality	Raw Material Handling	Pulping	Screening	Centrifugal Cleaning	Deinking	Washing Dewatering	Fiber Treatment	Approach Flow System	Water, Sludge, Reject	
Recovered Paper	Board & Packaging										
Broke + Approach Flow System	Tissue										
ProEnergy ++		ProQuality ++++		ProCapacity +		ProYield +		ProSpace		ProEnvironment ++	

TwinFlo

The most flexible solution for fiber refining on the market

TwinFlo™ double disc refiner can ideally handle all fibers used in paper manufacturing, since it can be individually adjusted through its multitude of available fittings.

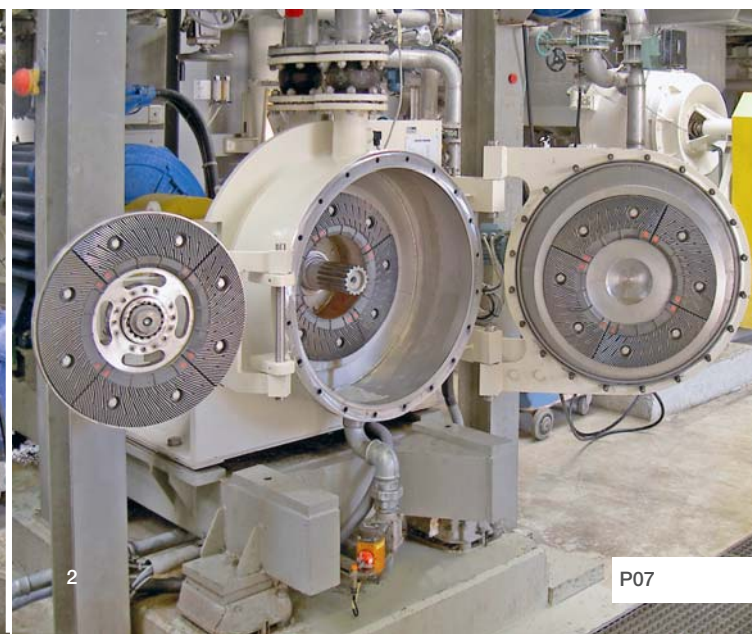
TwinFlo double disc refiner offers cost-effective and targeted technological refining of primary and secondary fibers. It features electro-mechanical setting of the refining gap through central force transmission, the greatest possible flexibility with groove and knife geometry and uniform fitting wear due to a self-centering rotor.

Customer benefits

- + High degree of machine effectiveness due to favorable ratio of no-load power to effective refining power, combined with high hydraulic capacity
- + Optimal fiber treatment due to low-intensity refining
- + Easy and quick replacement of fillings due to integrated equipment
- + Uniform, highly efficient fiber treatment due to the precise plane parallelism of the refining fittings and an optimized selection of fillings
- + Simple to maintain due to small number of moving parts and easy accessibility

1 TwinFlo

2 TwinFlo opened, with PLURALIS fillings



Areas of application

The TwinFlo refiner is used in both fresh fiber lines as well as in secondary fiber lines. Due to the extensive assortment of fillings, suitable refining plates are available for nearly every application.

Voith refining fittings and also some replacement parts can be used machines of other manufacturers as well.

Sizes

Size		TF1E	TF2E	TF3E	TF4E
Disk diameter	[inch]	18-24	26-32	34-40	42-48
	[mm]	457-610	660-813	864-1016	1067-1219
Flow rate at 4%	[l/min]	250-2600	500-5200	1000-7500	2000-8000
	[gpm]	70-690	130-1380	260-1980	530-2110
Speed	50 Hz [rpm]	1000-750	750-600	600-480	500-400
	60 Hz [rpm]	1200-720	720-600	600-514	514-450
Admissible installed motor power	50 Hz [kW]	315	500	900	1700
	[HP]	450	700	1250	2300
at minimum speed	60 Hz [kW]	270	500	900	1900
	[HP]	300	700	1250	2600
No-load power	[kW]	60	90	150	200
	[HP]	80	120	200	270
Stock consistency range	[%]	3.0 – 6.0			

Maintenance intervals and services

For TwinFlo refiners only very little maintenance is needed. Due to a large range and permanent newly developed fillings the refiners are very future-proof. Refining systems can be adapted to new and changing general technological conditions or energy optimization can be offered to customers.

Further Information

- Link to product finder:
www.voith.com/paper

References

More than 500 machines have been sold worldwide since 1995.

3 TwinFlo open

