

# FL 170 3D FIBER

3D TUBELASER CUTTING MACHINE



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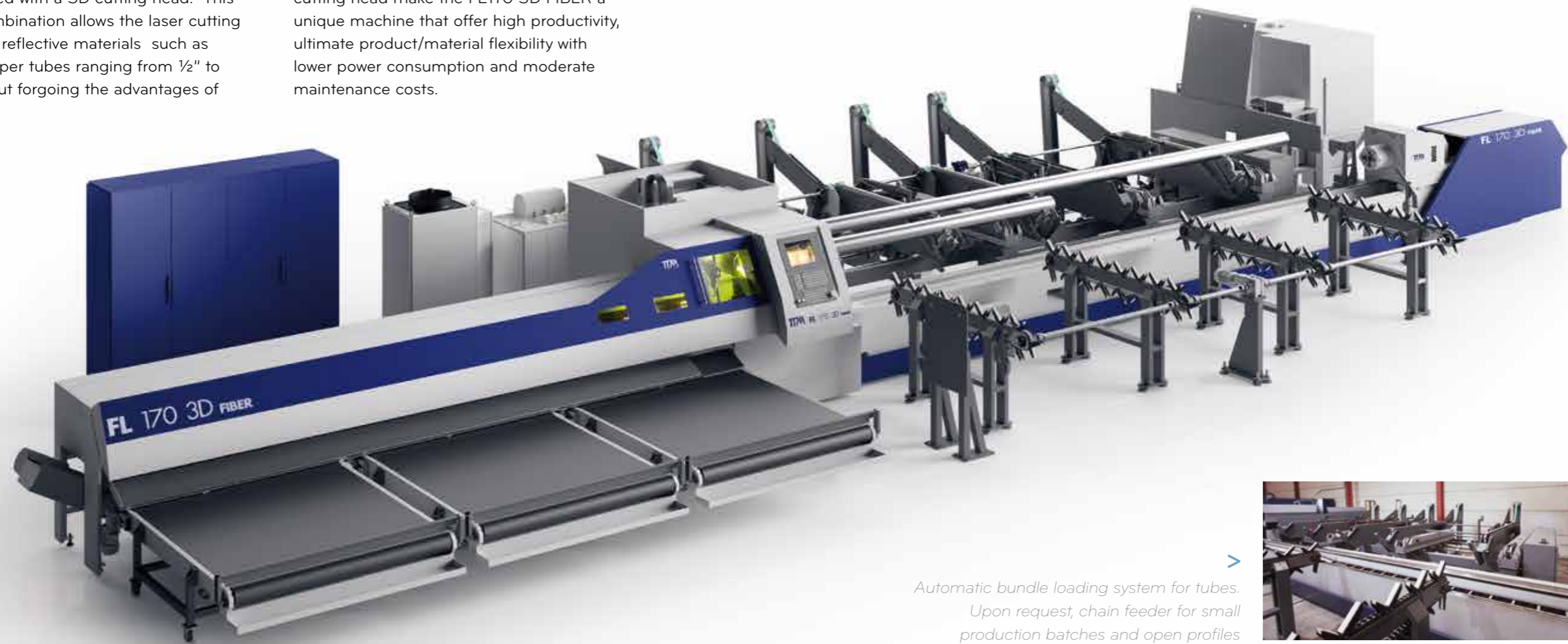
# FL 170 3D FIBER

The new FL170 3D FIBER is the latest edition to the FL range of 3D laser cutting systems from TTM Laser.

The machine utilizes FIBER-laser technology and is equipped with a 3D cutting head. This innovative combination allows the laser cutting of even highly reflective materials such as brass and copper tubes ranging from ½" to 6.6" OD without forgoing the advantages of

bevel cutting up to 45°. Open profiles can be processed upon request and verification of feasibility.

Combining a Fiber laser source and a 3D cutting head make the FL170 3D FIBER a unique machine that offer high productivity, ultimate product/material flexibility with lower power consumption and moderate maintenance costs.



	Round tube min. ½" - max. 6.6"	Square tube min. 5/8" - max. 4 ¾"
Max loading capacity	16.8 ppf	
Available length of loader	21' - 31' - 41'	
Available length of unloader	13' - 20'	
Materials	Mild steel - stainless steel - aluminum - copper - brass	
Type of source	Fiber IPG Photonics or TruDisk TRUMPF	
Type of laser head	3D	
Number of controlled axis	21 in the maximum configuration	

> Automatic bundle loading system for tubes.  
Upon request, chain feeder for small production batches and open profiles



> Machine configuration and layout based on material flow (standard configuration feeding from left to right or opposite from right to left) and on floor space restrictions



> Unloading of the cut pieces exit the machine in three areas (center for short pieces, front or back for medium and long pieces). Unloading tables available upon request.

