

**Multi – Knife  
Core Cutter AHTS 3-1000**

for high-speed cutting with knife-mandrel

Each single working cycle cuts one complete core off.

Single-spindle cutting  
to guarantee perfect long life precision  
without wear in mechanical rotating parts.

Short set-up by simply changing  
only one knife-shaft and cutting mandrel.

Adjustable speed of production  
infinitely variable to program at operation display.

Waste sorting inside the machine.  
In case the trim cuts are not cut correctly the machine stops.



The machine is equipped with:

- Feeding Chute  
to bring the tubes into the machine.  
Controlled by optical sensing to avoid idle running.
- Counter Pressure Roller rubber coated  
to support the cutting mandrel.
- Central Support for cutting mandrel  
in order to allow heavy duty cutting.
- Tube Limit Stop  
for axial fixation of the core on the mandrel.
- One Cutting Mandrel (hardened steel)  
with pusher and ejector for one size of core.
- Konical holder for cutting mandrel  
for secure and fast changing. Perfect centering guaranteed.
- Full automatic waste sorting  
with electronic production control.
- Knifeshaft with knives and spacers for one cutting length.
- Knife Lubrication
- Doubled Support of Knifeshaft

#### **Technical Data:**

Parent Core Length	appr	980 – 1.060 mm
Cutting Core Length	appr	950 – 1.030 mm
Core ID min	appr	38 mm
Core OD max	appr	90 mm
Wallthickness up to	appr	5 mm
Speed of Working infinitely variable	appr	10 – 40 cycles/min
Set-Up Time		
for another diameter	appr	30 – 45 min
for another cutting width	appr	10 – 15 min

Output at		
76 mm ID of core		
12 mm cutting width, 2.5 mm wall	appr	1.350 rings/min
or		
76 mm ID of core		
50 mm cutting width, 2.5 mm wall	appr	750 rings/min
Electrical installation		400 Volts, 50 Hz 3 phase current with N und PE
Main Drive (servo driven)		17 kVA
Drive Cutting Mandrel (servo driven)		17 kVA
Drive Carriage (servo driven)		17 kVA
Drive Knife Shaft		
infinitely variable with frequency drive		15 kVA
Pneumatical Installation		6 bar
Standard Painting		RAL 9003 signal white texture finish
Machine Dimensions (LxWxH)	appr	4.5 x 1.4 x 1.7 m
Net weight appr	3100 kg	

**Optional Equipment:**

**Feeding System with Chain Conveyor  
and Tube Storage**

Capacity for 3" cores (76 mm) appr 100 tubes

**Central Lubrification**

with electric pump

## **Toolsets**

**Device for cutting tube ID  
smaller than 50mm**

## **Knives-Shafts**

### **Cutting Mandrels (hardened steel)**

each with pusher and ejector

*For each inner diameter of the core one cutting mandrel is required.*

### **Cutting Mandrels (nylon)**

each with pusher and ejector

*For each inner diameter of the core one cutting mandrel is required.*