

## Page

Electronic Sliver Reel	5
Lint and Trash Analyzer MK2	3
Microscopy Cross Section Kit	3
Moisture Regain Oven	5
Precision Fiber Microtome	4
Pressley Fiber Bundle Strength Tester	4
Rapid Oil Extraction Apparatus	5
Single Fiber Strength Tester	2
Sliver and Roving Reel	4




## F012

## Single Fiber Strength Tester

Universal Testing Machine H1KS special version for low force/extension single fiber testing. Fitted with special 10n/1000gf loadcell and lightweight pneumatic grips with actuator. Speed 0.001 to 1000mm/min. Extension resolution 0.001 mm. 5mm to 400mm stroke. Onboard processor and display included, a dedicated printer can also be provided. Tension clips for loading and pretensioning, 1 set provided (separate order), 20, 50, 100, 300 and 500mg. Please see our Tinius Olsen Section Pages 88-106 for information on other grips/accessories for this device.

Effective travel, less grips and load cell, is 185mm. Other models with longer travel and higher capacity are available.

<b>WEIGHT</b>	25 kg	55 lb		
<b>DIMENSIONS</b>	Width	Depth	Height	
	360 mm 14 inch	360 mm 14 inch	820 mm 32 inch	
<b>STANDARDS</b>	<b>ISO 5079</b>	<b>BS 3411</b>	<b>BISFA</b>	
<b>ORDERING Info.</b>	F012	Single Fiber Strength Tester		
	200982	Tension Clips (Set)		
	300699	HP1320 Laser Jet Printer (special configuration)		



## F025A

## Microscopy Cross Section Kit

Contains all the equipment and consum-ables used in making fiber and yarn cross sections by the plate and modified cork methods recommended by AATCC.

<b>WEIGHT</b>	1 kg	2.2 lb	
<b>DIMENSIONS</b>	Width	Depth	Height
	200 mm	150 mm	100 mm
	8 inch	6 inch	4 inch
<b>STANDARDS</b>	<b>AATCC 20</b>		
<b>ORDERING Info.</b>	202159	Microscopy Cross Section Kit	
	202758	Dissecting/Pick Counting Needles with Handle (Pack of 12)	



## F102/A

## Lint and Trash Analyzer MK2

Lint and Trash Analyzer Mk2 (Cotton Model). To determine lint, trash and dust content within a sample of cotton fiber upto 100 grams. Also used to determine non-fiber content of synthetic fibers and to open and clean fibers for further testing. The analyser uses the carding principle with air separation of lint and non lint content.

Lint and Trash Analyzer Mk2 (Wool Model). To determine vegetable and other foreign matter content in raw wool, wool tops and waste and preparation of samples for fineness testing. Also suitable for determining the yield of high value fibers such as cashmere and angora, as well as determining non fiber content of long staple synthetic fibers.

<b>WEIGHT</b>	100 kg	220 lb	
<b>DIMENSIONS</b>	Width	Depth	Height
	750 mm	1000 mm	600 mm
	30 inch	40 inch	24 inch
<b>STANDARDS</b>	<b>ITMF</b>		
<b>ORDERING Info.</b>	202586	Lint and Trash Analyzer (Cotton Model)	
	200770	Lint and Trash Analyzer (Wool Model)	



## F214

## Precision Fiber Microtome

To produce fiber cross sections for microscopic examination, measurement and identification.

<b>WEIGHT</b>	3 kg	6.6 lb	
<b>DIMENSIONS</b>	Width	Depth	Height
	75 mm	150 mm	100 mm
	3 inch	6 inch	4 inch
<b>STANDARDS</b>	<b>ISO 137</b>	<b>BS 2043</b>	<b>ASTM D2130</b>
	<b>IWSTM 24</b>	<b>GB 10685</b>	
<b>ORDERING Info.</b>	105217	Precision Fiber Microtome	



## F215

## Pressley Fiber Bundle Strength Tester

To determine the tensile strength of natural fibers. Include 1 pair clamps and spacer, torque vice and wrench, cutter, comb and tweezers. A 5mg x 0.01mg capacity balance is required but not included.

<b>WEIGHT</b>	3.2 kg	7 lb	
<b>DIMENSIONS</b>	Width	Depth	Height
	330 mm	100 mm	125 mm
	13 inch	4 inch	5 inch
<b>STANDARDS</b>	<b>ISO 3060</b>	<b>BS 5116</b>	<b>ASTM D 1445/2524</b>
	<b>ORDERING Info.</b>	104008	Pressley Fiber Bundle Strength Tester
	300123	Torsion Balance 5mg	
	104009	Clamps & Spacer (1 Pair)	
	104010	Leather Clamp Facings (Pack of 30)	



## F216A

## Sliver and Roving Reel

Hand operated to determine the linear density (count) of slivers and rovings. Fitted with roving bobbin stand, pre-determined counter and precision cutter. Specify 1 metre or 1 yard circumference.

<b>WEIGHT</b>	20 kg	45 lb	
<b>DIMENSIONS</b>	Width	Depth	Height
	280 mm	430 mm	600 mm
	11 inch	17 inch	24 inch
<b>ORDERING Info.</b>	300059	Sliver and Roving Reel Meter	
	300060	Sliver and Roving Reel Yard	





**F217A/B/C****Rapid Oil Extraction Apparatus**

To determine the oil or finish content of wool or synthetic samples by solvent percolation and evaporation. Suitable for fiber, yarn or fabric. Available with 1, 2 or 3 extraction units. Complies with Edana method ERT 155(needs S217014 large extraction tube fully complaint). Full title of new method is: DETERMINATION OF ACETONE EXTRACT-TABLE FINISH ON NONWOVENS.

<b>WEIGHT</b> (Model A)	4.4 kg	9.7 lb		
<b>DIMENSIONS</b> (Model A)	Width	Depth	Height	
	170 mm	170 mm	380 mm	
	7 inch	7 inch	15 inch	
<b>STANDARDS</b>	Edana method ERT 155			
<b>ORDERING Info.</b>	105265	Rapid Oil Extraction Apparatus Single		
	105266	Rapid Oil Extraction Apparatus Double		
	105267	Rapid oil Extraction Apparatus Triple		
	105268	Foil Residue Trays (Pack of 50)		

**F256A****Moisture Regain Oven**

To determine the moisture content and regain percentage of textile materials. Drying is performed by circulation of warm air electrically heated regulated by an electronic temperature controller. The material to be tested is dried within a metal container suspended from an electronic balance. Two successive weights of the same value determine the point which moisture content can be calculated.

<b>WEIGHT</b>	90 kg	98 lb		
<b>DIMENSIONS</b>	Width	Depth	Height	
	650 mm	500 mm	750 mm	
	26 inch	20 inch	30 inch	
<b>STANDARDS</b>	ISO 6741	BS 4784	ASTM D2654	
<b>ORDERING Info.</b>	300064	Moisture Regain Oven		

