

## Boiler and Condenser Tube Cleaning Equipment

We are a well-established manufacturer of tube cleaning equipment, tube cleaning machine, dry tub cleaning equipment suitable for dry application & wet application. The different types of dry tube cleaning equipment that we offer includes wire brushes, tool head cutters, electrical tube cleaners and more. Precise, effective and cost-saving are the Tube Cleaning Equipment offered. The cleaning machine is easy to use & require little training / experience to operate. We supply variety of tube cleaning equipment, flexible shaft machine, tube cleaning machine, flexible shaft, flexible shaft tools, tube cleaners, flex shafts, flexible shafting equipment, flexible shafting machine etc.

### BOILER TUBE CLEANERS :

#### FLEXIBLE SHAFT MACHINE (NFM SERIES)

It is a 3 phase electric motor (2800 rpm) mounted on 3 wheel trolley fitted with a carrying trolley. Horse power of motor is selected depending upon the length & size of shaft, and type of scaling. Push button starter is provided to control the motor. Each machine is fully wired, carefully tested & fitted with a 10 ft. Length (Or longer if required) PVC cable to main supply.

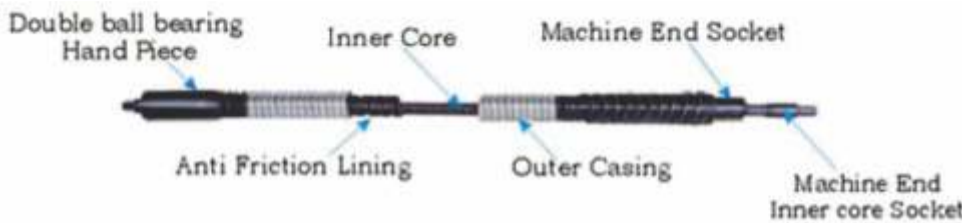
Motors are available in enclosed system as well as in open system (i.e. Without covering of above motor).

Please contact us if your electrical specification is different from below mentioned. Machine for alternate supply are also available.

Model No.	Motor Power		Electric Supply	Speed RPM	Tube I. D.	
	HP	kW			Mm.	Inch
NFM-10	1.0	0.746	440 V 3 Phase 50 C/S A/C	1400	15.87- 22.0	5/8-0.82
NFM-30	3.0	2.238		2900	22.0- 38.10	0.86-1.1/2
NFM-50	5.0	3.730		2900	38.10-152.40	1.1/2-6.0

#### NIKUFLEX' FLEXIBLE SHAFT (NFSSERIES)

It is used for cleaning of tube by transmitting power in terms of rotation from the motor unit to tool head cutter or brush within tube.



**Inner Core :** It is flexible wire with multiple wound opposite layer. It is made of high tensile spring steel or stainless steel (as per requirement) and passed through heat treatment processes to make it absolutely vibration free.

**Outer Casing :** It is flexible, double interlocked, circular rounded, made of galvanized steel strip, Special spring steel lining is provided within outer casing to avoid any friction between inner core & outer casing.

**Connection :** One end of shaft with machine end socket is attached to suitable motor and other end is attached to tool end.

INNER CORE DIA MM (INCH)	6.4MM (1/4")	9.5MM (3/8)	11.0 MM (7/16)	13MM	15MM	19.0 MM (3/4)		
OUTER CASING MM (INCH)	14.5 MM (0.57")	19.0 MM (3/4)	22.0 MM (7/8)	24.0 MM (15/16)	29.0 MM (1.14)	33.0 MM (1.3)		
LENGTH								
Mtrs.	Feet	Sr. No.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.		
6.0	20.0	1	NFS-101-20	NFS-102-20	NFS-104-20	NFS-105-20		
7.5	25.0	2	NFS-101-25	NFS-102-25	NFS-104-25	NFS-105-25		
8.0	27.0	3	NFS-101-27	NFS-102-27	NFS-104-27	NFS-105-27		
9.0	30.0	4	NFS-101-30	NFS-102-30	NFS-104-30	NFS-105-30		
10.0	33.0	5	NFS-101-33	NFS-102-33	NFS-104-33	NFS-105-33		
12.0	40.0	6	NFS-101-40	NFS-102-40	NFS-104-40	NFS-105-40		
15.0	50.0	7	NFS-101-50	NFS-102-50	NFS-104-50	NFS-105-50		
18.0	60.0	8		NFS-102-60	NFS-104-60	NFS-105-60		
20.0	65.0	9		NFS-102-65	NFS-104-65	NFS-105-65		
25.0	82.5	10		NFS-102-82	NFS-104-82	NFS-105-82		
30.0	100.0	11		NFS-102-100	NFS-104-100	NFS-105-100		
Spare Inner Core Per Meter				NIC-102	NIC-104	NIC-105	NIC-106	NIC-107
Spare Outer Casing Per Meter				NOC-102	NOC-104	NOC-105	NOC-106	NOC-107
Spare Hand Piece				NHP-102	NHP-104	NHP-105	NHP-106	NHP-107

### TOOL HEAD CUTTERS

#### CT Series Tool Head Cutters



**Purpose :** For rapid removal of hard scale.

**Description :** It has 15 cutter wheels (4 straight wheels, 4 left wheel, 4 right wheel & 3 bevel wheels). They are spring loaded & selfexpanding.

**Size :** For tube I. D. From 31mm to 53mm.

Serial No.	Tube I. D.		Tool Head	Cutters Wheel Set of 15 rollers	Spare Arms
	Mm.	Inch			
1	31.7	1.1/4	CT-10	CTW-1	CTA-1
2	33.3	1.5/16	CT-10A	CTW-1	CTA-1
3	35.0	1.3/8	CT-11	CTW-1	CTA-1
4	36.5	1.7/16	CT-11A	CTW-1	CTA-1
5	38.1	1.1/2	CT-12	CTW-2	CTA-2
6	39.7	1.9/16	CT-12A	CTW-2	CTA-2
7	41.3	1.5/8	CT-13	CTW-2	CTA-2
8	42.9	1.11/16	CT-13A	CTW-2	CTA-2
9	44.5	1.3/4	CT-14	CTW-3	CTA-3
10	46.0	1.13/16	CT-14A	CTW-3	CTA-3
11	47.6	1.7/8	CT-15	CTW-3	CTA-3
12	49.2	1.15/16	CT-15A	CTW-3	CTA-3
13	51.0	2	CT-16	CTW-3	CTA-3

#### T Series Tool Head Cutters

#### CT Series Tool Head Cutters



**Purpose :** For rapid removal of hard scale.

**Description :** It has 15 cutter wheels (4 straight wheels, 4 left wheel, 4 right wheel & 3 bevel wheels). They are spring loaded & selfexpanding.

**Size :** For tube I. D. From 31mm to 53mm.

Serial No.	Tube I. D.		Tool Head	Cutters Wheel Set of 3 rollers	Spare Arms
	Mm.	Inch			
			Model No.	Model No.	Model No.
1	31.7	1.1/4	T-10	TW-1	TA-1
2	35.0	1.3/8	T-11	TW-1	TA-1
3	38.1	1.1/2	T-12	TW-1	TA-1
4	41.3	1.5/8	T-13	TW-2	TA-2
5	44.5	1.3/4	T-14	TW-2	TA-2
6	47.6	1.7/8	T-15	TW-2	TA-2
7	51.4	2	T-16	TW-2	TA-2
8	54.0	2.1/8	T-17	TW-2	TA-2
9	57.1	2.1/4	T-18	TW-3	TA-3
10	63.5	2.1/2	T-20	TW-3	TA-3
11	70.0	2.3/4	T-22	TW-4	TA-4
12	76.2	3	T-24	TW-4	TA-4
13	82.5	3.1/4	T-26	TW-5	TA-5
14	88.9	3.1/2	T-28	TW-5	TA-5
15	95.2	3.3/4	T-30	TW-6	TA-6
16	101.6	4	T-32	TW-6	TA-6

### Tube Cleaning Equipments

#### Wire Brushes

##### TURK HEAD BRUSH



Max. Size of brush : 6" (152.4mm)  
Purpose: For removal of light scale from pan, evaporator, juice heaters tube

##### CUP SHAPE BRUSH



Max. Size of brush : 6" (152.4mm)  
Purpose: For cleaning more space or where rotary brush can not be used.

##### CIRCULAR WHEEL BRUSH



Max. Size of brush : 6" (152.4mm)  
Thickness : 1/2" to 2"  
Purpose : For polishing, deburring & cleaning of tube

Serial No.	Size		Turk Head Brush Model Nos.	'NCS' Cup Shape Brush Model Nos.	Circular Wheel Brush Model Nos.
	Mm.	Inch			
1	31.7	1.1/4	NT-10	-----	NCW-10
2	35.0	1.3/8	NT-11	-----	NCW-11
3	38.1	1.1/2	NT-12	-----	NCW-12
4	41.3	1.5/8	NT-13	-----	NCW-13
5	44.5	1.3/4	NT-14	-----	NCW-14
6	47.6	1.7/8	NT-15	-----	NCW-15
7	51.0	2	NT-16	NCS-16	NCW-16
8	54.0	2.1/8	NT-17	NCS-17	NCW-17
9	57.1	2.1/4	NT-18	NCS-18	NCW-18
10	60.3	2.3/8	NT-19	NCS-19	NCW-19
11	63.5	2.5/8	NT-20	NCS-20	NCW-20
12	66.7	2.5/8	NT-21	NCS-21	NCW-21
13	69.8	2.3/4	NT-22	NCS-22	NCW-22
14	73.0	2.7/8	NT-23	NCS-23	NCW-23
15	76.2	3	NT-24	NCS-24	NCW-24
16	79.4	3.1/8	NT-25	NCS-25	NCW-25
17	82.5	3.1/4	NT-26	NCS-26	NCW-26
18	85.7	3.3/8	NT-27	NCS-27	NCW-27
19	88.9	3.1/2	NT-28	NCS-28	NCW-28
20	92.1	3.5/8	NT-29	NCS-29	NCW-29
21	95.2	3.3/4	NT-30	NCS-30	NCW-30
22	98.4	3.7/8	NT-31	NCS-31	NCW-31
23	101.6	4	NT-32	NCS-32	NCW-32

#### Condenser Tube Cleaners

Electric Tube cleaners	Portable Electrical Tube Cleaners	Chiller Tube Cleaning Equipment's
Pneumatic Tube Cleaners	Portable Pneumatic Tube Cleaners	Tube Cleaning Accessories
Hand Held Pneumatic Tube Cleaners		