

Bundle saw machine

Healthy environment

High safety

High productivity

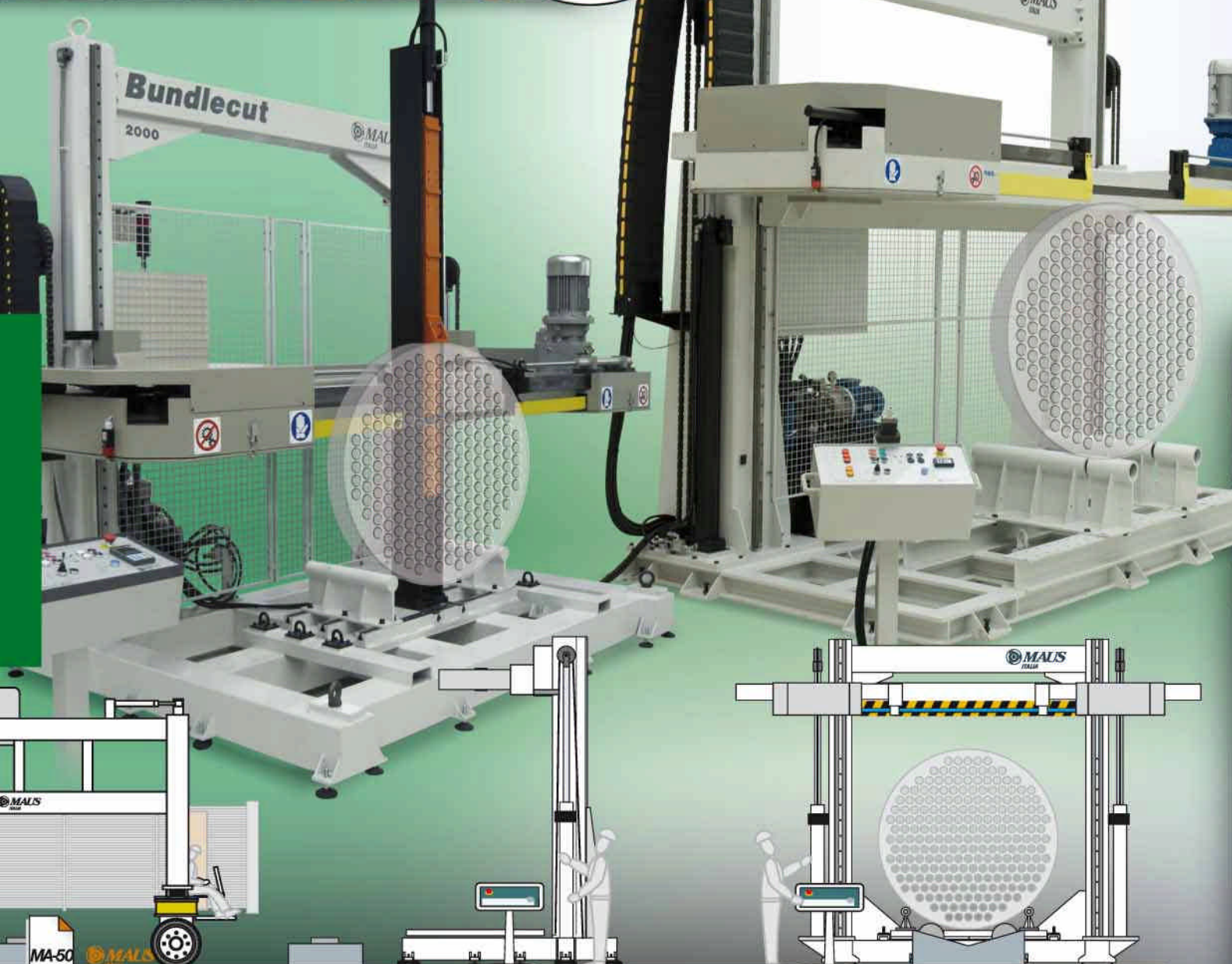
Precise cut

BundleCut

Band saw for the dismantling and refurbishment of heat exchanger tube sheets

Maus Italia proposes **BundleCut**, the new band saw. The solid construction of its electro-welded structure, the use of precision guides and pads and several fundamental devices make this machine an **absolute innovation** to be included in a **modern workshop** of heat exchanger maintenance. The **quality** of the mechanical band cutting in replacement of the oxygen cutting eliminates pollution from combustion gas and **protects the holes of the tube sheet** against scratching during extraction of the stubs.

BundleCut associated with the quick attaching gripper tube puller of the **Grippul** series, facilitates and **highly speeds up the recovery** of the tube sheets.



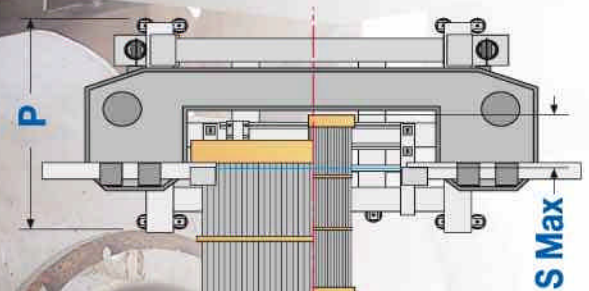
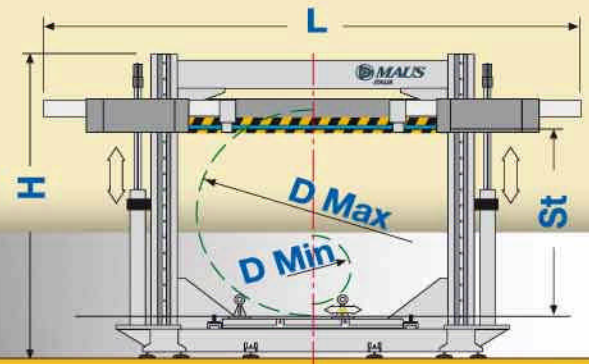
Technical features

On request available also with
QUICK HYDRAULIC
tube sheet
locking device

BundleCut				2000		3000	
Length	L	mm	<i>Ft</i>	3800	12.5	5200	17.1
Width	P	mm	<i>Ft</i>	2300	7.6	2330	7.6
Height	H	mm	<i>Ft</i>	3050	10.0	3850	12.6
Floor space requirement		mm	<i>Ft</i>	5500x2500	18 x 9	6500x3000	21 x 10
Vertical stroke	St	m/min	<i>Ft</i>	2000	6.6	3100	10.1
Cutting speed		mm	<i>Ft/min</i>	20÷250	65÷820	11÷140	36÷460
Bundle diameter Max.	D Max	mm	"	2000	78.74"	3000	118.11"
Bundle diameter Min.	D Min	mm	"	200	7.87"	350	13.78"
Tube sheet thickness Max.	S Max		"	600	23.62"	800	31.50"
Average cutting time only bundle		min		30÷60		100÷200	
Average cutting time h-ex with shell		min		60÷90		120÷240	
Hydraulic unit power		Kw		1.3		4	
Saw motor power		Kw		5.5		11	
Power supply		* V-Ph-Hz		400-3-50/60		400-3-50/60	
Absorbed power		KW		7		15	
Air supply		Bar	<i>Psi</i>	4÷8	58÷116	4÷8	58÷116
Saw blade type		mm	"	7930x41x1,3	312.2"x1.6"x0.05"	10900x54x1,6	429.1"x2.1"x0.06"
Weight		Kg	<i>Lb</i>	4500	9920	7700	16980

Different characteristics from standard are studied on specific request of the customer

* On request
230-3-50/60



Bundle saw machine



BundleCut

Example of right procedure of bundle cutting

Simultaneous cutting of shell-tube bundle.
 Fixed sheet: \varnothing 1100mm (43,30") - Shall: INOX 304 L
 Tubes: \varnothing 25,4 mm (1") x 14 BWG - INOX 304L
 Time: 90 minutes



On request available also with **QUICK HYDRAULIC** tube sheet locking device

\varnothing	mm	600	1000
	Ft	1.97	3.28

Positioning

The heat exchanger is positioned in front of the **BundleCut** and the support brackets are adapted for correct

10' 30'

Fastening

The heat exchanger is fastened with an anchoring belt with tightener (or quick hydraulic tube sheet locking device as optional)

5' 15'

Cutting

The solidity of the structure enables the bundle and the shell to be cut at the same time, even if the materials are highly alloyed.

30' 180'

Separation

When the cutting has been completed the heat exchanger is moved while the sheet remains fixed to the **BundleCut**.

5' 15'

Precision

The stubs that are still attached to the sheet are undeformed and easy to remove.

50' 240'





Control console



Adjustable saw guide



Lubrication plant



hydraulic unit

