# Vertical edging machines EM\_HT Series



Vers. 01

TEC	HNOLOGICAL	CHARACTERIST	ICS		
Dimensional characteristics	EM04020HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Maximum pane length	4000 mm	4500 mm	5000 mm	6000 mm	9000 mm
Maximum pane height	2000 mm	2500 mm	2800 mm	3300 mm	3300 mm
Minimum pane dimensions	320 mm x H=260 mm ("polished edge" min. 670 mm x H=260 mm)				
Processing pane thickness	3 ÷ 25 mm ("polished edge" Max. 19 mm)				
Maximum transportable pane thickness			25 mm		
Maximum transportable pane weight			200 kg/m		
Maximum processing pane weight (suction cup carriage)	200 kg/m (with clean and dry pane)				
Process characteristics	EM04020HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Number of operating heads			1		
Processing operations that can be performed	ar	rissing – "rough ed	ge" grinding – "po	lished edge" grind	ing
Processing of shaped panes			optional		
Executable shapes		accor	ding to FOREL Cata	alogue	
Maximum pane length in "self-learning" operating mode	3500 mm	4500 mm	4500 mm	5000 mm	7500 mm
Maximum pane length in "shaped panes" operating mode	4000 mm	4500 mm	5000 mm	6000 mm	9000 mm
Position of the "Low-emissivity" coating	operator side				
Processing of corner fittings	$\checkmark$				
Control and management of pane curvature		Max. 2.5 mm/m			
Tool diameter			200 mm		
Tool pack capacity	80 mm (Max.)				
Constructional characteristics	EM04020HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Presetting of diamond grinding wheel			$\checkmark$		
Polishing grinding wheel automatic regenerator tool			$\checkmark$		
Pane transport height		6	40 mm (min. 620 mi	m)	
Machine body weight	~ 6000 kg	~ 6250 kg	~ 6400 kg	~ 6700 kg	~3600 kg + ~6800 kg
Water supply	EM04020HT	EM04525HT	EM05028HT	EM06033HT	EM09033HT
Possibility of connection to a centralized purification plant (customer's responsibility)		minir	num flowrate 100	l/min	

TECHNICAL CHARACTERISTICS			
Applied standard	CEI EN 60204-1		
Power supply	400 V ±10% Freq. 50/60 Hz ±1% 3P+PE		
	min. +5°C, max. +40°C temperature		
Environmental conditions	humidity < 80%		
	altitude < 1000 m a.s.l.		
Type of grounding system	TT (ground isolated from neutral)		

(data concerning the technological/electrical characteristics of the article treated in this data sheet are not binding since they are subject to change).



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# **TOOLS SUPPLIED**

The machine is supplied with 2 grinding wheel arms, one of which is equipped with:

1 flat diamond grinding wheel for ROUGH EDGE (Th. 15 mm)

1 diamond grinding wheel for ARRISSING (Th. 3 ÷ 12 mm)

1 trapezoidal/shaped diamond grinding wheel for EDGE GRINDING and ARRISSING (Th. 8 mm)

1 grinding wheel for POLISHING (Th. 15 mm)

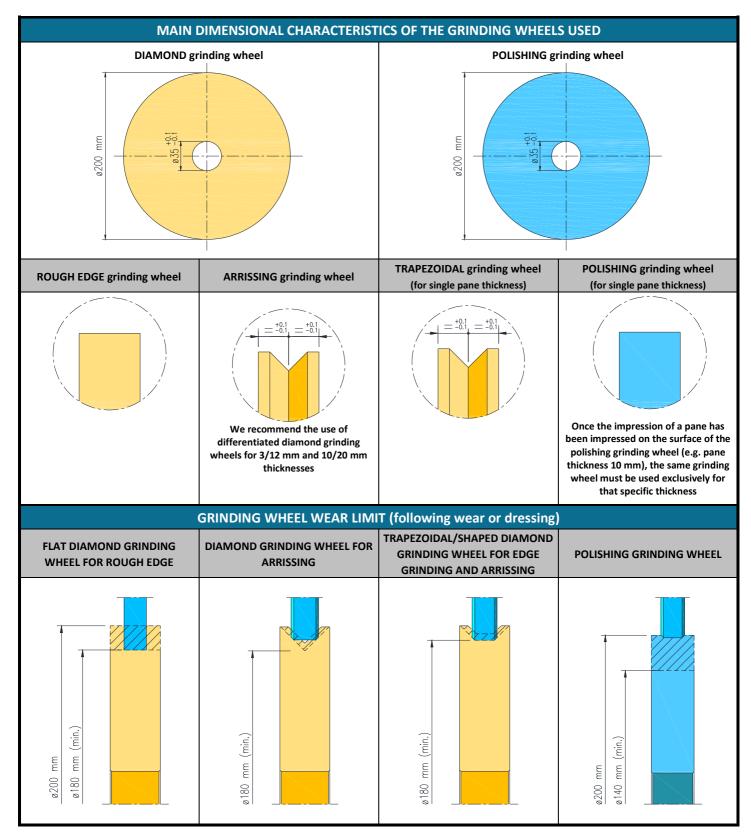
# **OPTIONALS AVAILABLE ON REQUEST**

EMHT-01	Diagnostic supervisor system
EMHT-02	Processing of shaped panes
EMHT-03	Additional tools holder cone (2 cones already supplied)
EMHT-04	Additional rinsing module
WF00000ES	WATER FILTERING SYSTEM (centrifuge)
BC00000ES	BARCODE READER

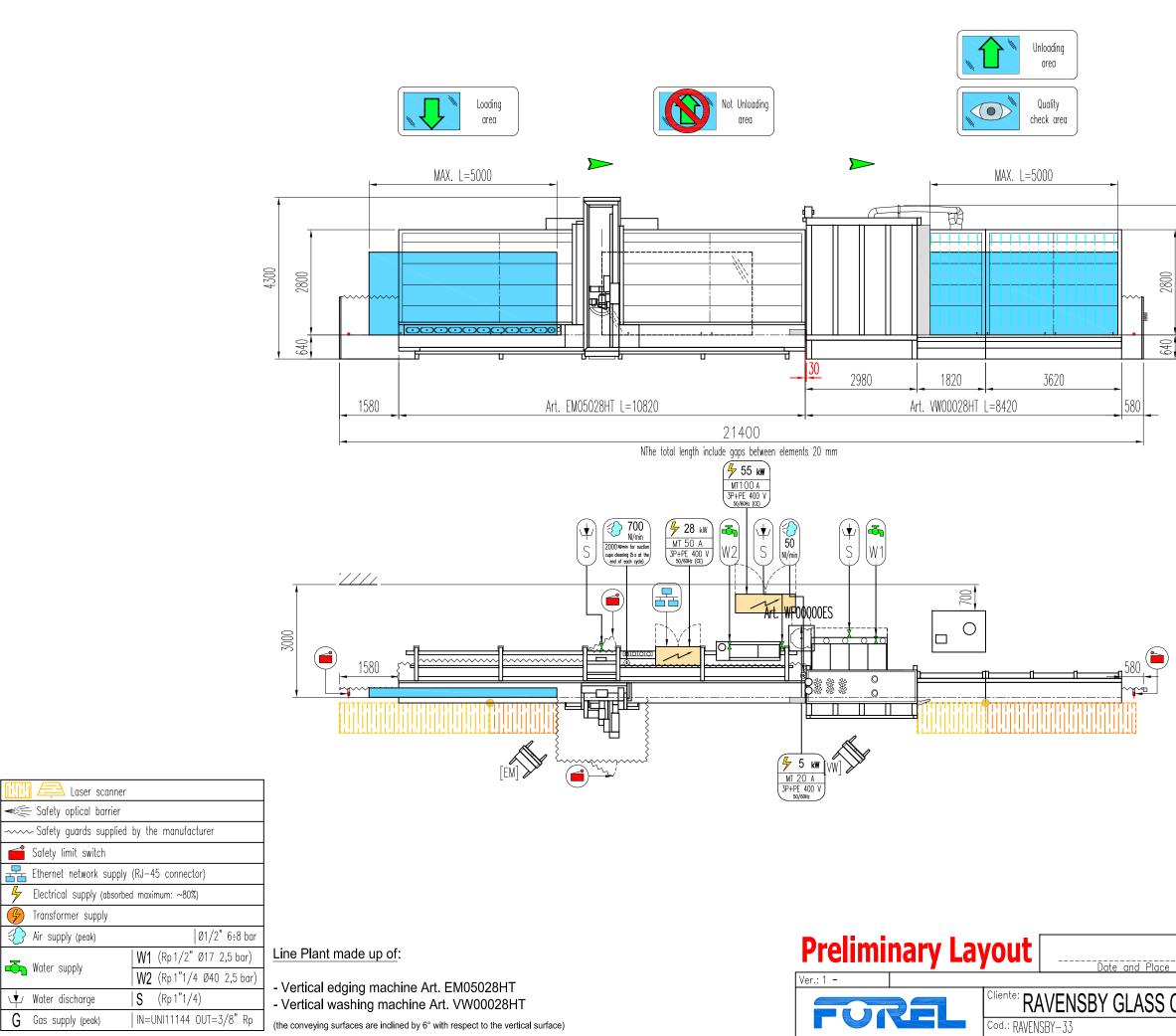


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Co. Ltd	Data: 26/06/2020 Dis: Loreno S.	Scala: 1:100



Our ref JH/gq/GSQ53800

09 July 2020

#### For the Attention of Mr. Hamish Ogilvie

Ravensby Glass Co Ltd Fowler Road West Pitkerro Industrial Estate Dundee DD5 3RU

Email: HFO@densmetals.co.uk

Dear Hamish,

#### **Re: Forel EM 5028 including Associated Items**

Following your recent enquiry, I am pleased to submit our revised supply proposal, together with respective specifications for your appraisal and consideration.

The machinery & equipment contained within this proposal is based upon the manufacturing criteria that you have initially provided but can be modified if required, to suit specific or alternative production processes.

Although Promac offers technical support for office-based software links, we take no control or responsibility for the associated output files and hardware. The customer is entirely responsible for any charges that may be issued by your software supplier.

Preventative maintenance will increase the reliability of your machinery and from as little as £100 a month Promac will provide a service contract for the equipment we have installed after the warranty expires.

If you require any further information, please do not hesitate to contact me directly on 07866 767371.

Yours sincerely

Joe Hague Promac Group Managing Director

3c Hadrians Way, Glebe Farm Ind. Est, Rugby, Warwickshire CV21 1ST





www.promac.co.uk



# Machinery and Pricing Summary

CODE	DESCRIPTION	Q.TY
EM05028HT	Vertical Edging Machine – L=5000mm x H=2800mm	1
EMHT-01	Diagnostic supervisor system	1
EMHT-02	Processing of straight shaped panes	1
EMHT-03	Additional Tool Holder (X2 Already Supplied)	1
WF00000ES	Water Filtering System (CENTRIFUGE)	1
D320i	Domino LASER ETCHING PRINTER	1
VW00028HT	Washing machine 2800 mm complete with infeed and	1
	outfeed conveyors	
VWHT-03	Stainless steel entire manufacturing	1

# QUOTATION GSQ53800



#### SALES TERMS

Training:	Operation, machine settings & functions:
Availability:	January 2021 upon receipt of order & deposit (TO BE CONFIRMED)
Installation:	As Above
Transport & Carriage:	As detailed above. Includes insurance.
Delivery:	DAP Fowler Road, West Pitkerro Industrial Estate, Broughty Ferry, DD5 3RU, Dundee, U.K. INCOTERMS®2020 I.C.C.

#### Warranty:

All new machinery is covered by our comprehensive 24 month warranty which includes mechanical and electrical parts, super structure and labour, based on a 40 hour working week.

### Warranty Exclusions:

Wearing parts, consumable items, tooling, calibration and programming.

Any damage caused as a result of wilful neglect, misuse or abuse and third party accessories or software connected or fitted without prior written authorisation from Promac Window Machinery Sales Ltd.

#### **Customers Responsibilities and Provision**

In advance of the machines arrival and where applicable the provision of electric, pneumatic, water and drainage service isolators to within two metres of the machinery terminals including any third party software or output files. All appropriate insurance and liability cover must be in place before the delivery of the equipment to its agreed destination, where applicable the provision of the appropriate lifting equipment and manpower to offload and position the equipment.

#### **Payment Terms**

Unless otherwise agreed:-25% deposit at order confirmation 70% before shipping (appropriate to the machinery to be shipped) 5% 45 days after commissioning (appropriate to the machinery being commissioned) (Please note that our payment terms are unaffected by any delay from other third party suppliers including utility services, software or output files)

#### **Continuous Improvement Policy**

We reserve the right to amend specifications without notification as part of our continuous improvement policy.

#### **Liability Insurance**

# QUOTATION GSQ53800



Liability Insurance is a legal requirement to do business and forms an essential part of any commercial agreement. To ensure that Promac and our customers are adequately protected our insurers have provided over £15,000,000 of Employers, Public and Product liability cover.

# The prices quoted are exclusive of VAT and are valid for thirty days.

# *Please refer to our full terms and conditions which can be viewed on our website* <u>www.promac.co.uk</u>

### **Preventative Maintenance Service Contract**

Within this package, Promac Group Service will supply direct technical support on two separate occasions with the express purpose of surveying and servicing the machinery detailed above. This will take the form of a pre-service inspection of the equipment to assess the condition of the machinery and the need for any replacement of consumable or wearing parts.

Depending on the requirement, we would offer a 10% discount on any parts involved in the service process, Promac would then visit the site within 2 weeks to perform the particulars gathered from the pre-service inspection.

All of the associated service time, including travelling, is free of charge within this proposal, however, if you require any servicing over any given weekend, or bank holiday we would levy an additional service charge at 50% of our published rate.

There should be no requirement to interrupt production during the pre-service inspection other than where necessary for safety.

Dates for the service can be organised by yourself directly with Promac Group Service on 01788 577887.