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ORDER CONFIRMATION	13003144 ( 2)
Date	: 26.04.2004
Customer number	: 79

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IMA Canada Corp.  
6350 Tomken Road Unit 7  
CA- Mississauga, On L5T 1K2  
Kanada

Comiss. : 10540

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CUSTOMER: QUALITY TOPS AND KITCHENS

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s/n 10540

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According to our sales conditions we are supplying you with :

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Pos.	Item	article code	Quantity ME	Price	Amount EUR
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10	IKL660392		1 pcs		
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NOVIMAT CONCEPT/I/G80/4325/L20

free space 4250 mm

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20	IKLNCG002		1 pcs		
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Basic machine Novimat Concept/I/G80/.../L20

IKL660390	1 pcs
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1 single-sided automatic IMA-edgebanding and finishing  
machine, type

Novimat Concept/I/G80/.../L20

for the edgebanding and -finishing of panel-typed  
workpieces.

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For specifications see following pages

IKL660778	1 pcs
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Technical data:

Machine:

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Panel overhang beyond chain track:	38 mm
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(incl. edge on edge thicknesses 0.3 - 8 mm)  
Panel overhang beyond chain track: 30 mm  
(incl. edge on edge thicknesses 8.1 -20 mm) + edge thickness  
Following finishing units may be used on edge thickness  
8.1 - 20 mm:  
- End trimming  
- Milling unit 08.0555 or 08.055 for the flush milling  
- Milling unit 08.183  
- Sanding unit 08.062 resp. 08.063  
min. throughfeed width: 65 mm  
min. panel length in feed direction: 150 mm  
basic height (upper edge chain track): 950 mm  
Panel:  
-----  
min. panel length: 150 mm  
min. panel width: 65 mm (at max. 3 mm edge)  
min. panel thickness: 8 mm  
max. panel thickness: 40 mm (with contour trimming  
function)  
max. panel thickness: 60 mm (without contour  
trimming function)  
smallest panel: 150 mm x 150 mm, resp.  
65 mm x 300 mm  
laterally overhanging coating material: 0 mm  
Edging material:  
-----  
min. height: 14 mm  
max. height: 65 mm  
Reel material:  
min. thickness 0.3 mm  
max. thickness 3 mm  
max. cross section 130 mm<sup>2</sup>  
min. edging length 160 mm  
Strips and lippings:  
min. thickness 0.8 mm

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max. thickness	20 mm (with add. equipment)
max. cross section	20 mm x 55 mm
min. edging length	350 mm
max. upper edge overhang:	
- at edge thickness up to 8 mm)	5 mm
- at edge thickness over 8 mm)	2 mm

The capacity data are subject to the basic machine and may vary depending on the following units.  
Please note for lipping thickness 8.1-20 mm

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- For the end trimming unit a fix point of the lateral tracing will be used for the jump out.
- 2-fold fix-point adjustment of the lateral tracing at milling unit 08.055.  
One fix point for panel overhang 38 mm. The second fix point is for the jump-out of the lateral tracing on lipping thickness >8 mm

Stiff machine stand functioning as carrier for the units, as well as box for electrical installation (no separate switch cabinet).  
Drive for throughfeed speed from approx. 6 - 30 m/min., elektronik control  
(The control range is not the same as the procesing speed)  
Sliding feed chain consisting of a block link chain with 80 mm wide chain plates.  
Top pressure with 70 mm wide V-belt and sprung ball-bearing guiding rollers.  
1 roller support rail, max. distance to chain track approx. 500 mm.  
Safety and protection devices corresponding to CE-regulations.  
Noise protection / safety hoods  
Extractions must be lead electrically towards the machine on site. The compressed air connection must be connected well insulated.

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The machine must be free from high-frequency influences.  
Only temperatures between 5 and 35°C guarantee an  
electric/electronic perfect functioning of the machine.  
Fixing dowels and bolts are included in the delivery.  
Services other than that must be cared for by the customer.  
IKL660923 1 pcs  
Automatic chain track lubrication for Novimat Concept  
IKL655001 1 pcs  
IMATRONIC 121/01  
with user-friendly menu-guided operating surface for  
single-sided edge processing machine type Advantage/Novimat  
- PC-based control system with integrated PLC and electronic  
line control for max. 64 line functions  
- Easy parts orientated programming  
- Programs with max. 19 alphanumerical figures  
- Program memory for max. 500 programs  
- Interactive programming  
- Control and supervision of machine functions and sequences  
- Numerical magazine shaft selection via keys or out of  
the panel program  
- Report system for system and error messages  
- Function for the set-up and service: Access password  
controlled, therefore no accidental adjustment  
- Quick data exchange between PC and I/O-components  
via optical fibre  
Technical data:  
Hardware\*:  
- Compact industrial PC  
with front table (protection class IP 65),  
requested surrounding temperature +5 to +45 degrees C  
- Screen TFT-display  
- Keyboard front table with alphanumerical PC keyboard  
- Quick noise immun lightbus interface (Feldbus)  
- Standard interfaces 1 parallel  
Software\*:  
- Real time operating system S 2000  
- Interactive programming  
- PLC programming language: similar Siemens S5  
\*Note: Hard- and software correspond to the actual  
technical standard.

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	Unothorized interference into the machine control release IMA from guarantee and product liabilities.				
	IKL660811		1 pcs		
	English version				
	IKL654600		1 pcs		
	L/H machine				
	(stop fence side l/h)				
	IKL670012		1 pcs		
	Line voltage: 3/PE, 600V, 60c/s +/- 20V without neutral wire (FI-protective conductor not allowed) Electrical installation as per EN-regulations with CSA-qualified components In case of an order the specifications of the electrical data sheet are definitive! Specifications other than that must be offered separately against surcharge! (Should it not be possible to keep the line voltage, an interruption-free power supply must be installed at the costs and expense of the owner.)				
	IKL370014		1 pcs		
	Control voltage: 24 V DC / 230 V AC Only environmental switch cabinet temperatures of between +10 and +35 degrees C enable the machine to work without problems electronically and electrically.				
	IKL654394		1 pcs		
	Machine labeling: English				
	IKL658921		1 pcs		
	Finish:				
	- basic machine with hoods		grey white RAL 9002 textured		
	- units		dust grey RAL 7037 textured and smooth		
	- safety covers		signal red RAL 3001 textured		
	- motors		black RAL 9005 silky matt		

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10464949			3,00	Set	
Spare parts list NOVIMAT					
German/English					
10464956			3,00	Set	
Operating manual NOVIMAT					
English					
IKL658918			1	pcs	
electronic height adjustment of the top pressure (single					
sided) via positioning control, incl. measuring system, with					
start/stop positioning for three-phase motor, tolerance					
control					
(surcharge to motorical height adjustment)					
NOTE: SPECIAL EXECUTION for chamfering up to 20 mm edge					
***** with MMU					
- Fixed panel overhang (incl. edge banding material): 50 mm					
- Min. Panel width in throughfeed direction: 90 mm					
- Min. Panel dimensions: 150 mm x 150 mm, 90 mm x 300 mm					
NOTE:					
*****					
max. panel thickness 63 mm					
(only thin edge 0.4 mm/lengthwise processing, without MMU/					
contour trimming function)					

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30	IKLNCE003		1	pcs	
Infeed area Novimat Concept I					
	IKL370061		1	pcs	
Manually in horizontal direction adjustable, not heated					
stop fence					
	IKL658636		1	pcs	
adjusting axis for infeed fence					
	IKL660797		1	pcs	
Upper and lower anti-stick solvent a					
pplicator					
	IKL603801		2	pcs	
fix mounted, not adjustable					

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40	IKLNCF003		1 pcs		
	Tenoning section Novimat Concept I				
	IKL658958	10470463	1 pcs		
	joint milling unit 08.376				
	for the edge milling/calibrating of formatted				
	panels or for the milling of lateral grooves,				
	rebates or profiles,				
	control, non-swivelable, without tracing,				
	with 2 motors each 4.5 kW, 9000 rpm, 150 c/s each				
	with 1 single extraction duct Ø 120 mm,				
	with static frequency converter,				
	horizontal adjustment via axis,				
	vertical adjustment with mechanical digital counter,				
	IKL660166		1 pcs		
	Nozzle to remove loose particles at the panel side				
	IKL660781		1 pcs		
	1 set DP-joint milling tools				
	125x34x30 t=2x3 (diamond)				
	IKL658917	10541199	1 pcs		
	Safety hood for milling unit				
	08.376, angular				
	IKL655522		1 pcs		
	heater 300 mm long, 2x 1.5 kW for the				
	pre-heating of the panel edge				
50	IKLNCF003		1 pcs		
	Edgebanding area Novimat Concept/I/L				
	IKL658785		1 pcs		
	Edgebanding unit 283.1513, straight edge 3 mm and lippings				
	Technical data				
	min. strip length				
	- single-/multiple reel			160 mm	
	min. lipping length			350 mm	
	min. strip height			14 mm	
	max. strip height depending on glue applicator 50	(70)	mm		
	max. lipping length with high hood			1200 mm	
	- gear box 283.1513 for the glue applicator and				
	edging material magazines with closed oil bath gear				
	and quick lock system				

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	- 1 driven main pressure roller - separate temperature/frequency controlled glue drive - pendular cutter IKL658831 1 pcs Glue applicator for a max. edge height of 60 mm, with pneumatic quick lock system, chem-coated, and electronic temperature control Volume: 0.8 litres IKL654040 1 pcs Lateral edgebanding unit adjustment via axis IKL660741 1 pcs Premelting glue pot 283.201, approx. 1 ltr., with a heating power of 3 x 400 W, controlled melting capacity: - for EVA-filled glue approx. 7.0 kg/h - for unfilled glue approx. 5.0 kg/h with automatic granule feeding 283.19 out of storage tank with approx. 30 kg capacity, via a vacuum tube into the premelt glue pot, with level regulation, pressure air consumption approx. 7000 ltr/h IKL658791 1 pcs Single reel/lipping magazine, feeding angle 8° for reel material up to 3 mm and lippings up to 20 mm Cutting knife pneu. controlled, up to 3 mm edge thickness max. edge cross section 120 qmm, incl, hold-back device for reel material, max. reel diameter 860mm IKL658790 1 pcs 5 pressure rollers, manually adjustable, with mech. digital counters, pressure rollers single laterally spring-loaded and adjustable IKL660805 1 pcs 6-fold reel magazine, to slide onto the single reel magazine, for reel material up to 3 mm, A panel gap of 500 mm is necessary for a reel exchange with 27 m/min. feed.				



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	The panel gap changes proportionally depending on feed. vertical reel receptacle for 6 reels, max. Ø 850 mm				
60	IKL658826		1 pcs		
	bell for the main pressure roller, adjustable via axis				
70	IKLN002		1 pcs		
	Finishing section Novimat Concept B				
	+ Concept/I				
	IKL658640		1 pcs		
	End trimming unit 08.42, for 2 motors,				
	mounted to the top pressure				
	for the end trimming of the front and rear				
	edging material overhang,				
	for flush or chamfer cuts				
	with 2 CT-sawblades 160 x 22 mm Z = 48				
	min. panel overhang: approx. 30 mm +				
	max. edge resp. lippings length				
	min. panel length: approx. 150 mm				
	min. distance between 2 panels approx. 300 mm				
	min. distance from front edge to front edge 990 mm				
	max. working speed: 25 m/min.				
	with disengagement device for the tracing shoes				
	IKL660763		2 pcs		
	with 1 motor 660 W, 400 V, 200 c/s, 12000 rpm,				
	max. edge height 65 mm				
	max. edge height 20 mm				
	incl. frequency converter with brake function				
	IKL658642		2 pcs		
	horizontal pneumatic swivel device				
	0° and 25°, for 1 motor				
	IKL666000		2 pcs		
	with an electronically triggered lateral				
	tracing system which can be pneumatically				
	set to 2 edging thicknesses				
	(for chamfer end trims)				
	max. stroke of one motor: 3 mm				
80	IKL662000		1 pcs		
	Milling unit 08.0555, for 2 motors				
	swivelable by max. 3° (for panel thicknesses				
	of more than 25 mm),				

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	with height tracing, without lateral tracing, one motor placed vertically above the other one, without tooling, with a mechanical digital counter 09 for the vertical adjustment, with single extraction duct IKL658076		1 pcs		
	for upper and lower flush milling IKL660766		2 pcs		
	with 1 milling motor 1850 W, 400 V, 200 c/s, 12000 rpm, with HSB 25 receptacle, incl. frequency converter with brake function IKL658078		1 pcs		
	working against feed IKL658805		2 pcs		
	adjustment axis for the vertical motorical positioning of the height tracing, for the fine adjustment				
90	IKL660785		1 pcs		
	1 set HW-flush milling tools I 70 x 25 x HSK-25R, t=4, cutting width 22 mm, consisting of 1 l/h and 1 r/h tool				
100	IKL690003		1 pcs		
	Multiple milling unit 08.342, for the chamfer or radius milling of the upper and lower lengthwise edge as well as the end trimming of the front and rear panel edges. The horizontal and vertical unit movements are carried out via servo drives. with vertical positioning onto 2 fix points for automatic programme change. With horizontal and vertical tracing. With manual motor positioning in X-, Y- and Z-direction with mechanical digital counters. Technical data: ----- 2 motors 660W, 400V, 200c/s, 12000rpm, with HSB-receptacles with quick changing device, without tools,				

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	Including static frequency converter with automatic brake device. min. panel overhang 35 mm + edge thickness For crosswise throughfeed (incl. end trimming function): Panel thickness when end trimming 16-40 mm. max. edge overhang at front/rear edge 10 mm min. panel length: 150 mm min. distance between 2 panels: approx. 400 mm min. distance between panel front edge and panel front edge: 990 mm max. working speed: approx. 20 m/Min. IKL660547 2 pcs Adjusting axis for the horizontal motorical positioning of the motor for automatic program change (radius-chamfer) and for the fine adjustment of the MMU				
110	IKL660788		1 pcs		
	1 set DP-profile milling tool I 80x12x HSK25-R, t=4, R=3 mm consisting of 1 l/h and 1 r/h tool				
120	IKL658541		1 pcs		
	Profile scraping unit 08.519 (not on movable unit carriers) for the fine processing of an upper and a lower milled quarter circle profiles with preglued plastic edging material, with pre-adjustable CT-scraping tools for the quick and easy exchange. With horizontal and vertical tracing. With manual horizontal adjustment with mechanical digital counters. With pneumatic vertical and horizontal disengage, when the unit is not in use. with single extraction ducts and chip collecting box min. panel thickness 12 mm IKLR3 2 pcs R = 3 mm				
130	IKL653922		1 pcs		
	Self-tracing scraper as per 08.50, to remove hot melt glue residues in the area of the glue joint at the top and at the bottom of the panel, jump-type, with 2 cutting plates, with 2 air nozzles for cleaning the scraper, min. panel overhang: 30 mm				

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Pos.	Item	article code	Quantity ME	Price	Amount EUR
		IKL660047	1 pcs		
		single suction top + bottom for flat scraping unit			
140	IKL658339	Bevel sanding/buffing unit 08.612, to clean the upper and lower flush milled edging material or for polishing of thick-edgings swivelable around a vertical and a horizontal axis, with 2 motors 0.25 kW, 230/400V, 50 c/s, 1500 rpm, with 1 polishing disc each 40 x 200 x 18, mounting height 235 mm	1 pcs		
		IKL658712	1 pcs		
		pneumatic disengage for buffing unit 08.612			
150	IKL658131	Smoothing unit 08.53 to finish profile-scraped PVC/ABS-edging material radius size 1, 3-4 mm with one upper and one lower pressure zone incl. horizontal pneumatic disengaging device min. panel thickness 16 mm	1 pcs		
160	IKL659625	Concept plus machine design for surrounding temperatures from +10° to +45°C using cooling units in the switch units and the 19" PC-cabinet. Designed for single-sided Concept plus bigger than type 400. or double-sided Concept plus up to type 400.	1 pcs		