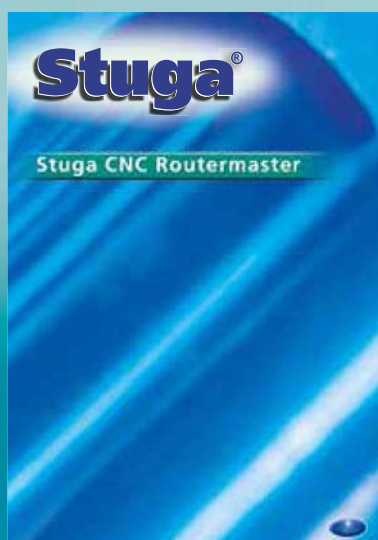


Stuga®

Stuga Sawing & Machining Centres





ESTABLISHED IN 1974 STUGA HAVE BEEN DESIGNING AND MANUFACTURING CNC MACHINE TOOLS SINCE 1986.

STUGA DESIGN PHILOSOPHY UTILISES INNOVATION TO SIMPLIFY PROBLEMS TOGETHER WITH THE LATEST TECHNOLOGY WHERE IT IS BENEFICIAL. THIS PHILOSOPHY INCLUDES MAKING POTENTIALLY COMPLEX MACHINERY INTUITIVELY EASY TO USE, THEREBY REDUCING OPERATOR SKILLS AND SUBSEQUENT POTENTIAL ERRORS.

THE COMPANY IS DEDICATED TO WORKING IN PARTNERSHIP WITH CUSTOMERS IN ORDER TO ACHIEVE ITS AIM OF ONE HUNDRED PERCENT CUSTOMER SATISFACTION.

AS A MANUFACTURER SELLING DIRECT TO THE MARKET STUGA ELIMINATES THE DEALER PROBLEMS ASSOCIATED WITH HI-TECH MACHINERY AS CUSTOMERS DEAL DIRECTLY WITH THE DESIGN AND BUILD TEAMS.

STUGA MISSION STATEMENT

CREATING LEADING-EDGE AUTOMATED MACHINERY TO SIMPLIFY COMPLEX TASKS, REDUCING END-USER OPERATING COSTS AND STRIVING TO STAY AHEAD OF OUR COMPETITORS IN QUALITY, INNOVATION, CUSTOMER SERVICE AND VALUE.

CONTENTS:

2	ABOUT STUGA
3-7	STUGA ZX3 & ZX4 SAWING & MACHINING CENTRES
8	STUGA ZX4 & MICROLINE ROTARY TOOLING HEADS
9-13	STUGA MICROLINE SAWING & MACHINING CENTRE
14	FIXED HEAD TOOLING
15-18	STUGA ECOLINE PREPPING CENTRE
19-22	STUGA AUTOCUT SAW CENTRE
23-24	STUGA ROUTERMASTER CNC ROUTER
25	STUGA AUTOFLOW-2 SAWING & MACHINING CENTRE
26	STUGA AUTOFLOW-2 SAWING & MACHINING CENTRE
27	STUGA MACHINE SPECIFICATION

EMAIL: MACHINESALES@STUGA.CO.UK
SERVICE@STUGA.CO.UK
STUGAPARTS@STUGA.CO.UK

STUGA SERVICE

THE COMPANY IS TOTALLY COMMITTED TO SERVICE AND USES A GEOGRAPHICALLY BASED NETWORK OF TRAINED ENGINEERS ON A FAST RESPONSE BASIS.

THE FIELD SERVICE ENGINEERS ARE BACKED UP BY A FULL SUPPORT TEAM BASED AT THE SERVICE CENTRE IN NORFOLK. TRAINED TECHNICIANS ARE AVAILABLE TO TALK CUSTOMERS THROUGH PROBLEMS AND LOOK AT INTERNET BASED DIAGNOSTICS INCLUDING ONBOARD CAMERA SYSTEMS.

CONSUMABLES

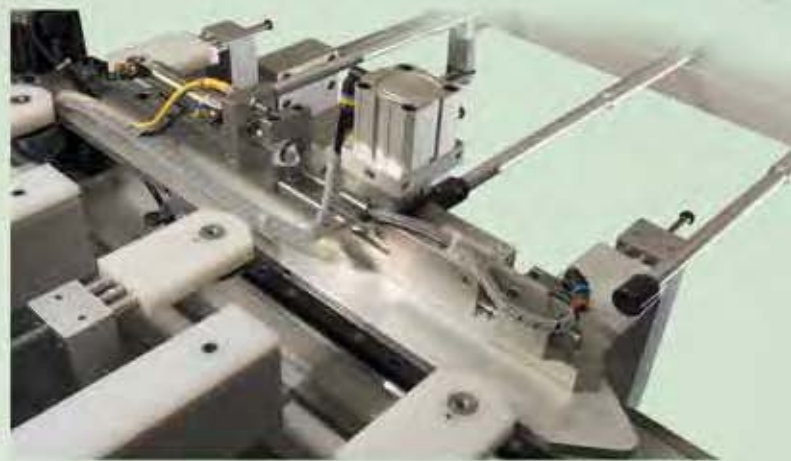
STUGA SUPPLY A RANGE OF LABELS, BLADES AND CUTTERS ETC THAT ARE SPECIFICALLY DESIGNED FOR MAXIMUM PERFORMANCE AND OUTPUT. SPARE PARTS FOR THE ENTIRE RANGE OF STUGA MACHINERY ARE IN STOCK AT MOST TIMES.



The background of the entire page is a faded, high-angle photograph of a large industrial machine, likely a CNC machining center or a complex sawing system. The machine features various components such as tool holders, worktables, and structural frames, all rendered in a light green/teal hue that blends with the overall color scheme. The Stuga logo is prominently displayed in the upper left corner.

Stuga®

ZX3 & ZX4 Sawing & Machining Centres



Stuga®

THREE HUNDRED AND SIXTY DEGREE ROTARY TOOLING SYSTEM
CREATES THREE HUNDRED AND SIXTY DEGREE POSITIONING
ALLOWING UNLIMITED MACHINING POSSIBILITIES AND TOTAL
PREPPING FLEXIBILITY, PRODUCING PERFORMANCE WELL
BEYOND THAT OF FIXED HEAD MACHINES. IF A
HEAD FAILS FOR ANY REASON ANOTHER
HEAD CAN EASILY TAKE OVER
ITS WORK.

SEPARATE SAWING AND PREPPING MODULES WORKING IN TANDEM
TOGETHER WITH BUFFER STATION/TRANSFER TABLE MINIMISES
DELAYS CAUSED BY SAW WAITING FOR PREPPING OR VICE VERSA.
TOTALLY FLEXIBLE INNOVATIVE CLAMPING SYSTEM DESIGNED
TO HOLD ANY PROFILE INCLUDING PRE-GASKETTED. FULLY
PROGRAMMABLE GRIPPER FOR BEST POSSIBLE POSITIONING.
RIGHT TO LEFT VERSION ILLUSTRATED, BUT ALSO AVAILABLE
FEEDING LEFT TO RIGHT. 'U' SHAPE CONFIGURATION CREATES
EASIER SINGLE OPERATOR WORKING BUT ALSO AVAILABLE IN
STRAIGHT LINE LAYOUT.



ROTARY TOOLING HEAD GUARDING REMOVED FOR PHOTOGRAPH.

Stuga ZX3 & ZX4 Cutting and Preppin

ALSO AVAILABLE AS
ULTRA SMALL MICROLINE VERSION

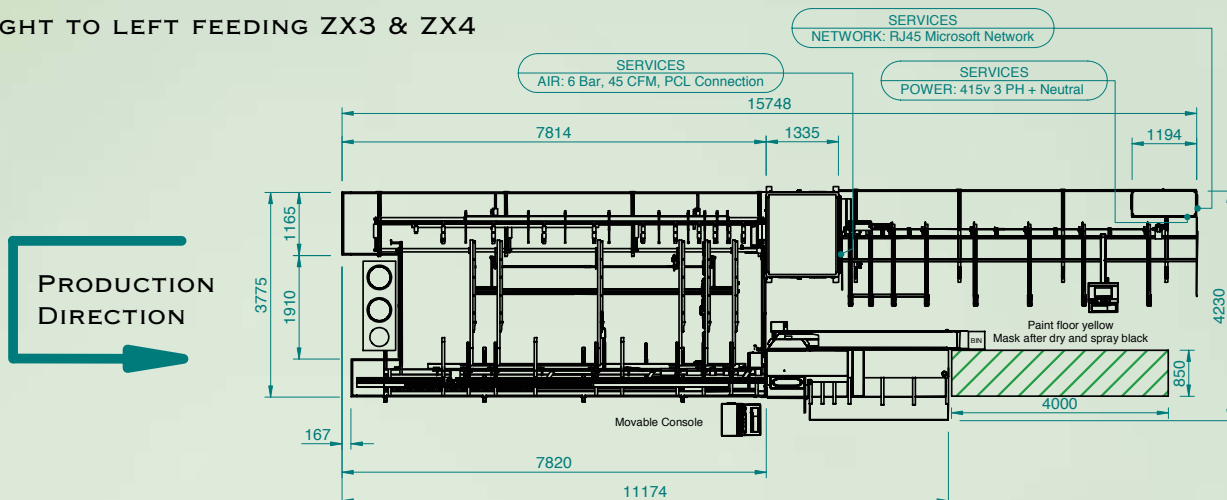
ROTARY TOOLING HEAD GUARDING
REMOVED FOR PHOTOGRAPH.



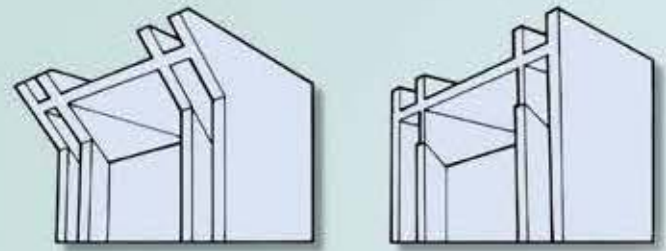
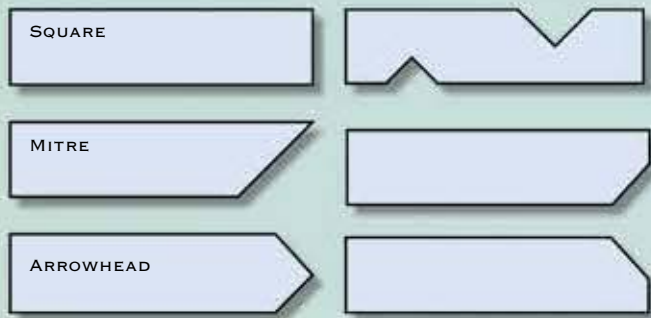
ZX Footprints



RIGHT TO LEFT FEEDING ZX3 & ZX4



g Centre for High Volume Production



MACHINING MODULE CAPABILITY

UNLIMITED NUMBER OF DIFFERENT PREPS CAN BE APPLIED FROM ANY SIDE AT ANY ANGLE 0-360 DEGREES.

ALL DRAINAGE

CONCEALED / FACE, INTERNALLY OR EXTERNALLY GLAZED, UPSTAND REMOVAL, PRESSURE EQUALISATION

SPOT PREPS FOR EASIER ASSEMBLY

FRICTION STAY PILOT HOLES, DOOR HINGES, ANTI-BOW WEDGE, ANTI-JEMMY WEDGE, CASEMENT KEEPS, ALUMINIUM LOW THRESHOLD SPOT PREP

TRICKLE VENTS:

FRAME OR SASH, THROUGH CHAMBER OR LEG

DOOR LOCKS IN ANY COMBINATION (INCLUDING DOUBLE PLUNGE)

SINGLE, 3 OR 4 POINT, STABLE DOORS, FRENCH / SLAVE DOORS, PATIO DOOR LOCKS, HINGE DOOR LOCKS

DOOR LOCK JAMB & KEEPS

LETTER PLATES

INCLUDING FIXING HOLES

ESPAQ AND SHOOTBOLT LOCKS

TILT & TURN HINGES & LOCKS, FULLY REVERSIBLE HINGES & LOCKS

MECHANICAL TRANSOM

FRAME DRILLING, REINFORCING RELIEF PORT

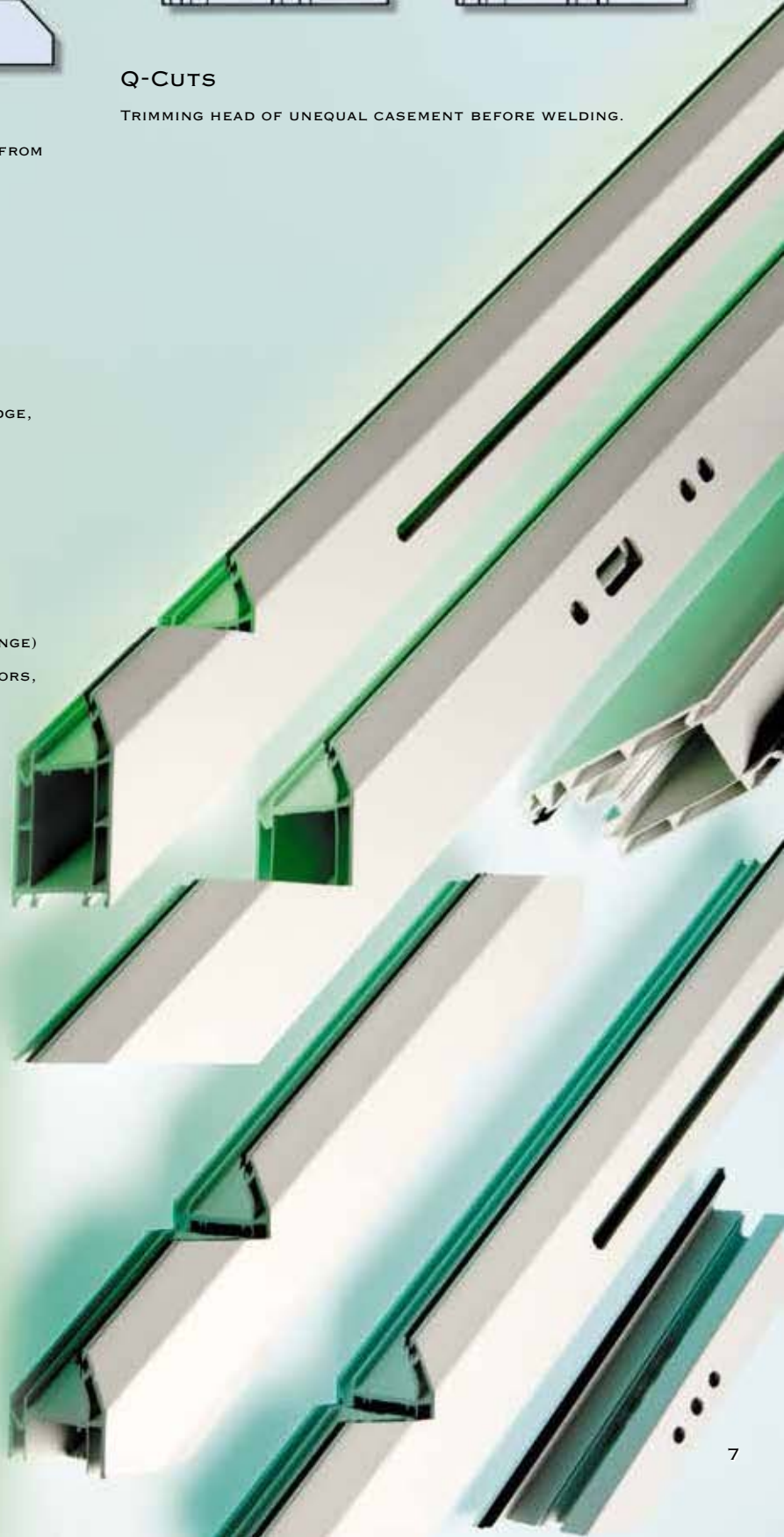
V NOTCHING FROM BOTH SIDES

Y NOTCHING (HALF V NOTCH BEFORE REVERSE-BUTT PREP)

NOTE! ALL BRITISH AND IRISH WINDOW PROFILES CAN BE ACCOMMODATED AND NO CONTOUR BLOCKS OR OTHER TOOLING IS REQUIRED. THE ZX3 AND ZX4 CAN PROCESS MOST KNOWN PROFILES.

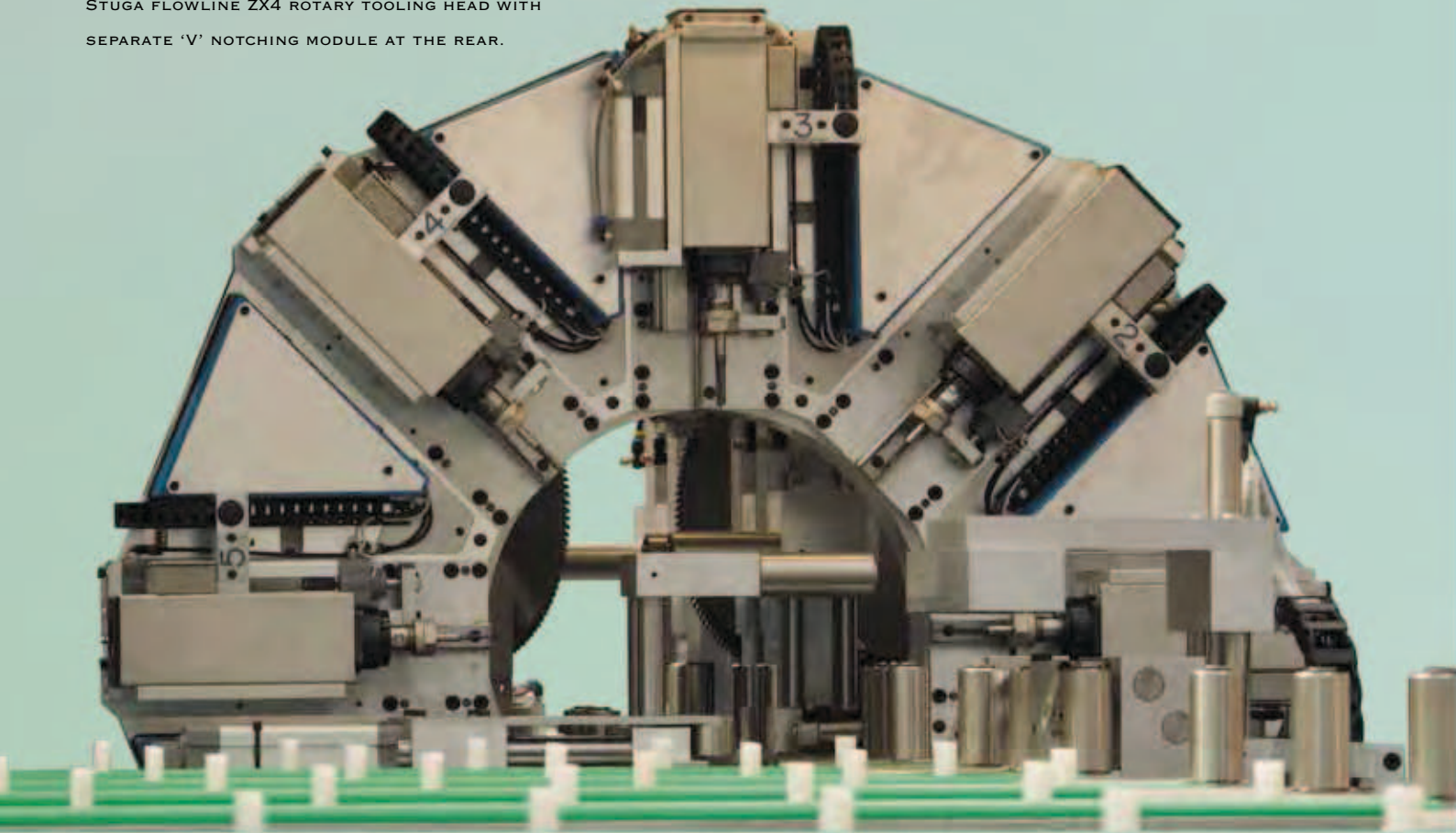
Q-CUTS

TRIMMING HEAD OF UNEQUAL CASEMENT BEFORE WELDING.

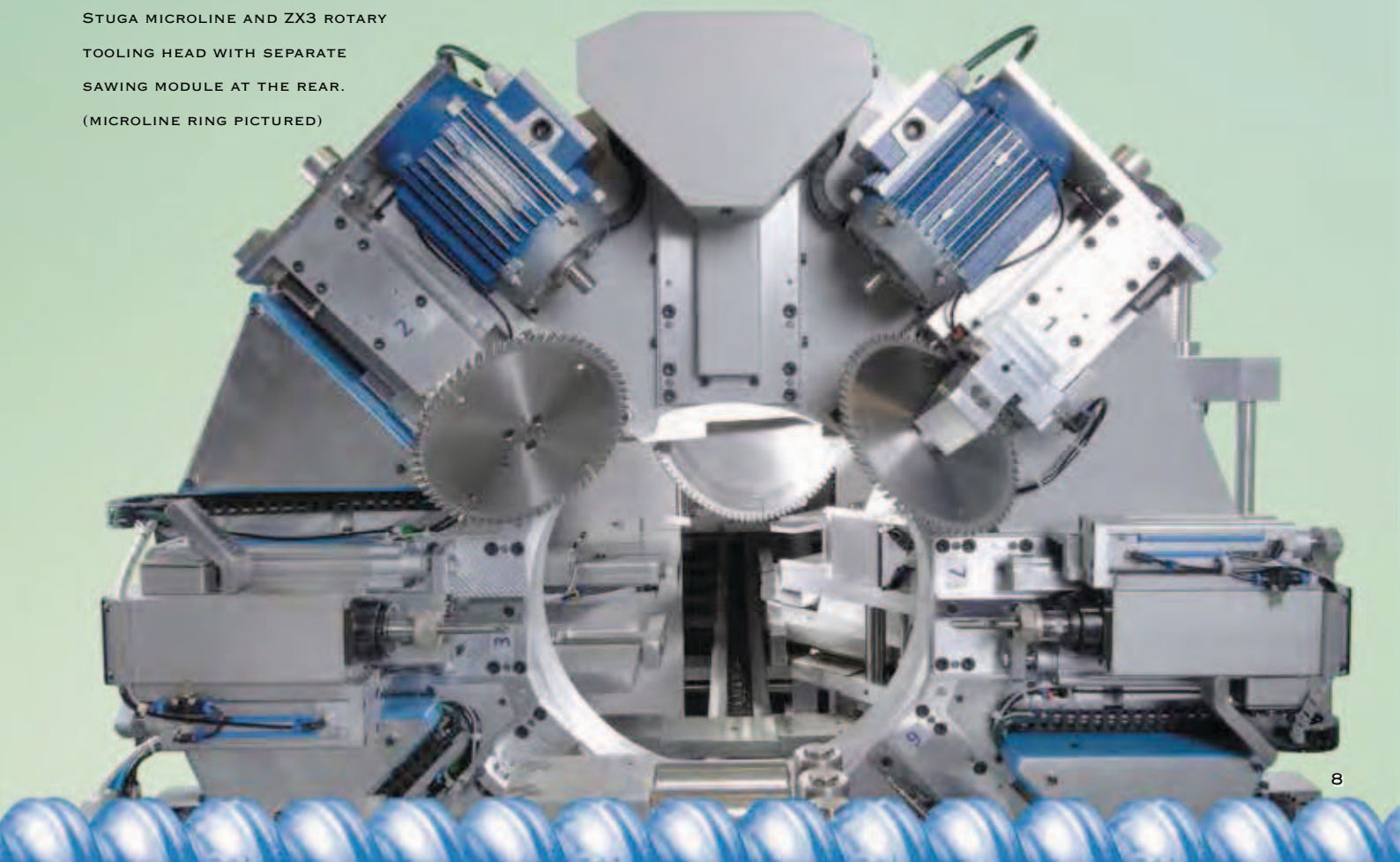


ROTARY TOOLING AT ITS BEST

STUGA FLOWLINE ZX4 ROTARY TOOLING HEAD WITH
SEPARATE 'V' NOTCHING MODULE AT THE REAR.



STUGA MICROLINE AND ZX3 ROTARY
TOOLING HEAD WITH SEPARATE
SAWING MODULE AT THE REAR.
(MICROLINE RING PICTURED)

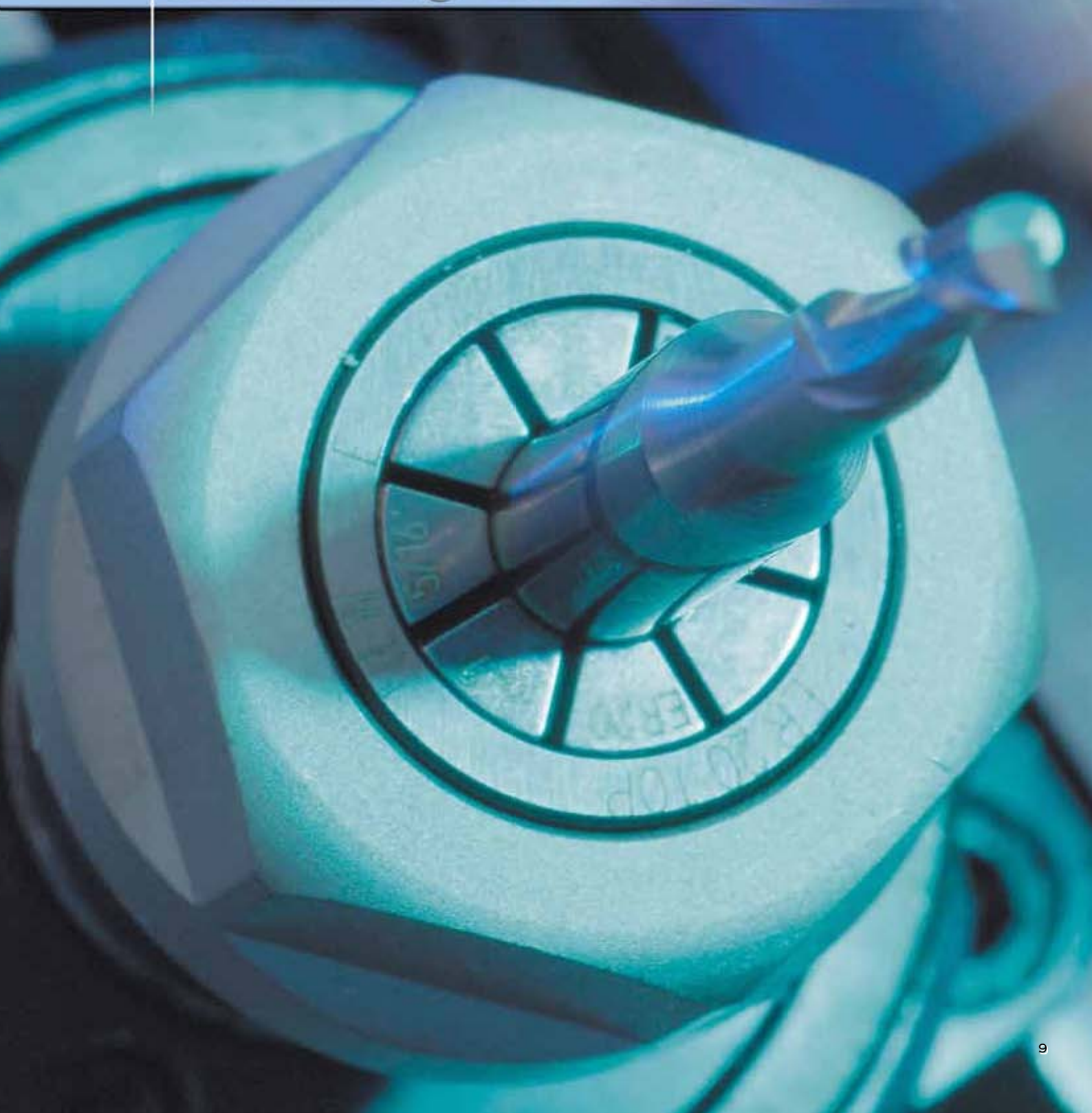


The Stuga logo is rendered in a bold, dark blue, sans-serif typeface. A registered trademark symbol (®) is positioned at the top right of the letter 'a'. The logo is set against a light blue horizontal band that spans the width of the page.

Stuga®

The text 'Microline Sawing & Machining Centre' is displayed in a white, sans-serif font. It is centered within a light blue horizontal band that is located below the Stuga logo.

Microline Sawing & Machining Centre





SAWING MODULE

NOTE! NO LONGER MANUFACTURED NEW THE MICROLINE REMAINS A VERY POPULAR MACHINE AS A REFURBISHMENT (SUBJECT TO AVAILABILITY). THE REPLACEMENT VERSION OF THE MICROLINE IS CALLED THE AUTOFLOW-2.



THREE HUNDRED AND SIXTY DEGREE ROTARY TOOLING SYSTEM CREATES THREE HUNDRED AND SIXTY DEGREE POSITIONING ALLOWING UNLIMITED MACHINING POSSIBILITIES AND TOTAL PREPPING FLEXIBILITY, PRODUCING PERFORMANCE WELL BEYOND THAT OF FIXED HEAD MACHINES. IF A HEAD FAILS FOR ANY REASON ANOTHER HEAD CAN EASILY TAKE OVER ITS WORK.

TOTALLY FLEXIBLE INNOVATIVE CLAMPING SYSTEM DESIGNED TO HOLD ANY PROFILE INCLUDING PRE-GASKETTED. FULLY PROGRAMMABLE GRIPPER FOR BEST POSSIBLE POSITIONING. RIGHT TO LEFT VERSION ILLUSTRATED, BUT ALSO AVAILABLE FEEDING LEFT TO RIGHT.

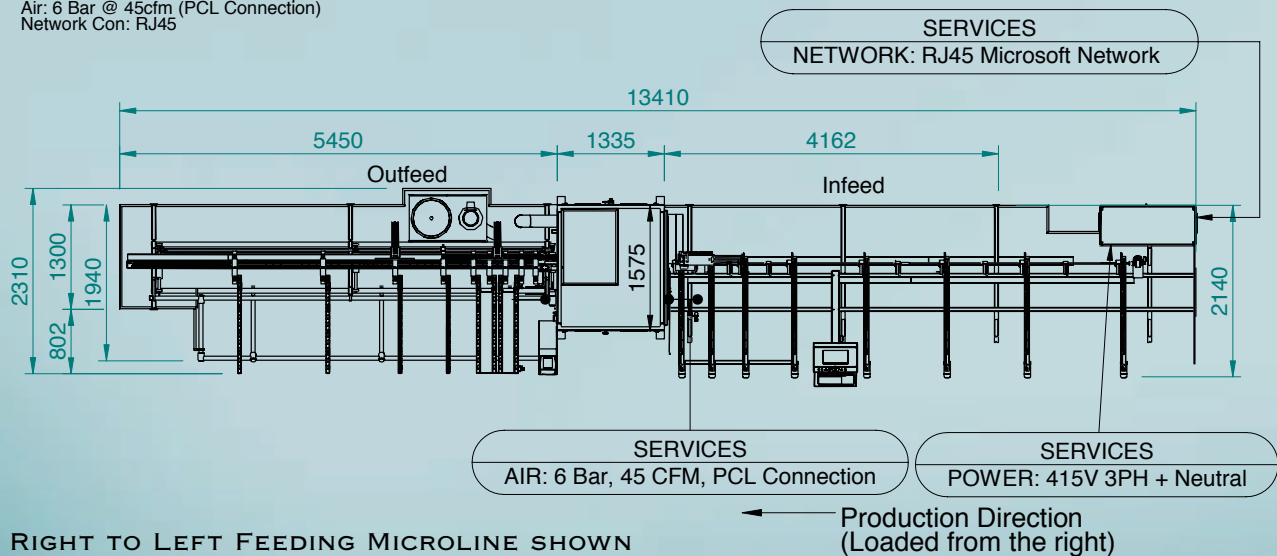
ONLY 13.5 METERS LONG
AND 2.3 METERS DEEP

Stuga Microline Cutting and Prepping



SERVICES

Power: 415v 3PH + Neutral 20Amp
Air: 6 Bar @ 45cfm (PCL Connection)
Network Con: RJ45



FOOTPRINT

13.5 METERS X 2.3 METERS

AVAILABLE AS

RIGHT TO LEFT OR

LEFT TO RIGHT

FLOW DIRECTION



DOUBLE PLUNGE FACILITY PREPS BOTH SIDES
OF TRICKLE VENT OR DOOR SIMULTANEOUSLY
DRAMATICALLY INCREASING OUTPUT OF THESE
PRODUCTS

Centre for Volume Production

SQUARE

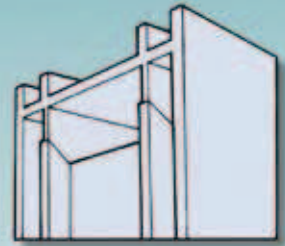
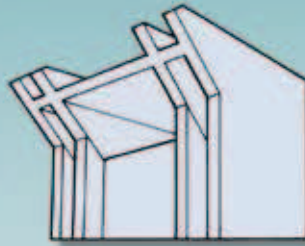
V - NOTCHES
BOTH SIDES

MITRE

Y - NOTCHES

ARROWHEAD

Y - NOTCHES



MACHINING MODULE CAPABILITY

UNLIMITED NUMBER OF DIFFERENT PREPS CAN BE APPLIED FROM ANY SIDE AT ANY ANGLE 0-360 DEGREES.

ALL DRAINAGE

CONCEALED / FACE, INTERNALLY OR EXTERNALLY
GLAZED, UPSTAND REMOVAL, PRESSURE
EQUALISATION

SPOT PREPS FOR EASIER ASSEMBLY

FRICTION STAY PILOT HOLES, DOOR HINGES, ANTI-
BOW WEDGE, ANTI-JEMMY WEDGE, CASEMENT
KEEPS, ALUMINIUM LOW THRESHOLD SPOT PREP

TRICKLE VENTS:

FRAME OR SASH, THROUGH CHAMBER OR LEG

DOOR LOCKS IN ANY COMBINATION (INCLUDING
DOUBLE PLUNGE)

SINGLE, 3 OR 4 POINT, STABLE DOORS, FRENCH /
SLAVE DOORS, PATIO DOOR LOCKS, HINGE DOOR
LOCKS

DOOR LOCK JAMB

LETTER PLATES

INCLUDING FIXING HOLES

ESPAG AND SHOOTBOLT LOCKS

TILT & TURN HINGES & LOCKS, FULLY
REVERSIBLE HINGES & LOCKS

MECHANICAL TRANSOM

FRAME DRILLING, REINFORCING RELIEF PORT,
BEAD CHANNEL FORMING

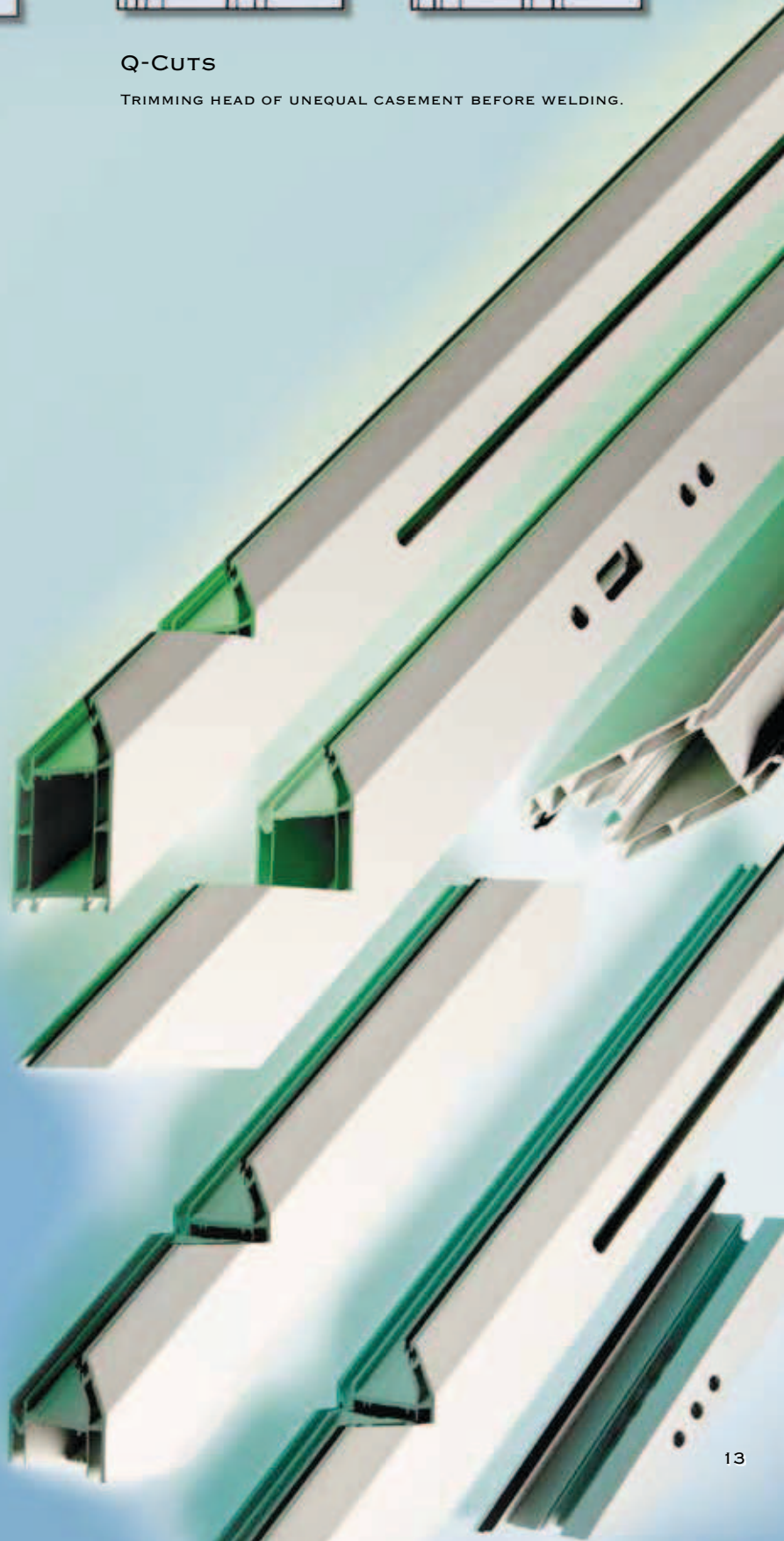
V NOTCHING FROM BOTH SIDES

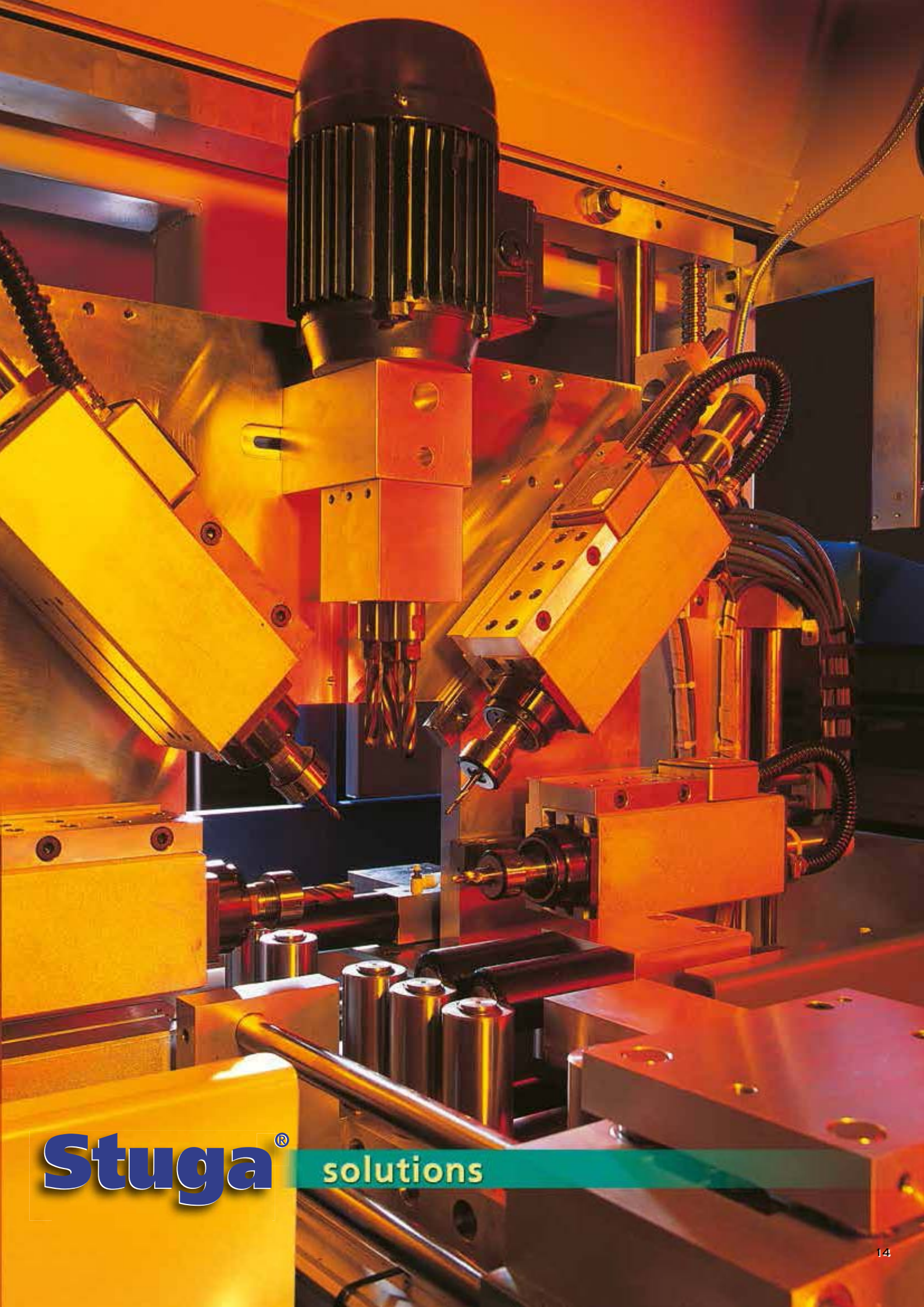
Y NOTCHING (HALF V NOTCH BEFORE REVERSE-
BUTT PREP)

NOTE! ALL BRITISH AND IRISH WINDOW
PROFILES CAN BE ACCOMMODATED AND NO
CONTOUR BLOCKS OR OTHER TOOLING IS
REQUIRED. THE MICROLINE CAN PROCESS MOST
KNOWN PROFILES.

Q-CUTS

TRIMMING HEAD OF UNEQUAL CASEMENT BEFORE WELDING.





Stuga[®] solutions

A close-up photograph of a wooden surface, likely a table or desk, with a warm, golden-brown hue. A metal handle with a U-shaped cutout is visible on the right side. Several screws are visible on the left side of the image.

Stuga®

**Ecoline
Prepping Centre**

Stuga®

ecoline p



Prepping centre

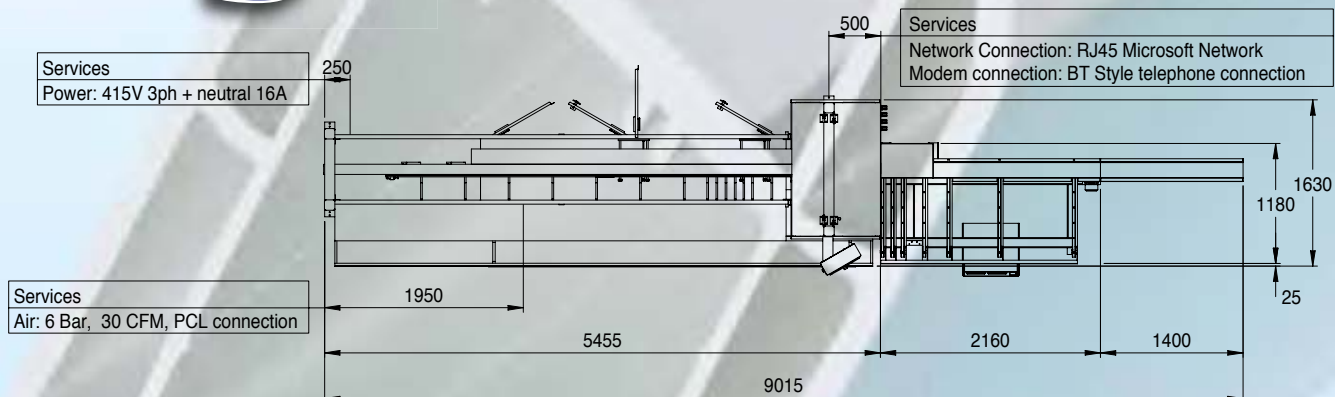


THE ECOLINE PREPPING CENTRE WILL WORK IN CONJUNCTION WITH ANY UPVC SAW OR SAW CENTRE TO CARRY OUT ALL WINDOW AND DOOR PREPS INCLUDING DRAINAGE, TRICKLE VENTS, ESPAGS/ SHOOTBOLTS, 'V' & 'Y' NOTCHES AND ALL DOOR PREPS. THE ECOLINE SAVES SPACE AS WELL AS LABOUR.

WHY NOT TAKE THE SKILL OUT OF PREPPING?

NOTE! NO LONGER MANUFACTURED NEW THE ECOLINE IS ONE OF OUR MOST POPULAR REBUILT MACHINES (SUBJECT TO AVAILABILITY). THERE ARE CURRENTLY NO PLANS TO REPLACE THIS MACHINE.

Stuga[®] eco line specification

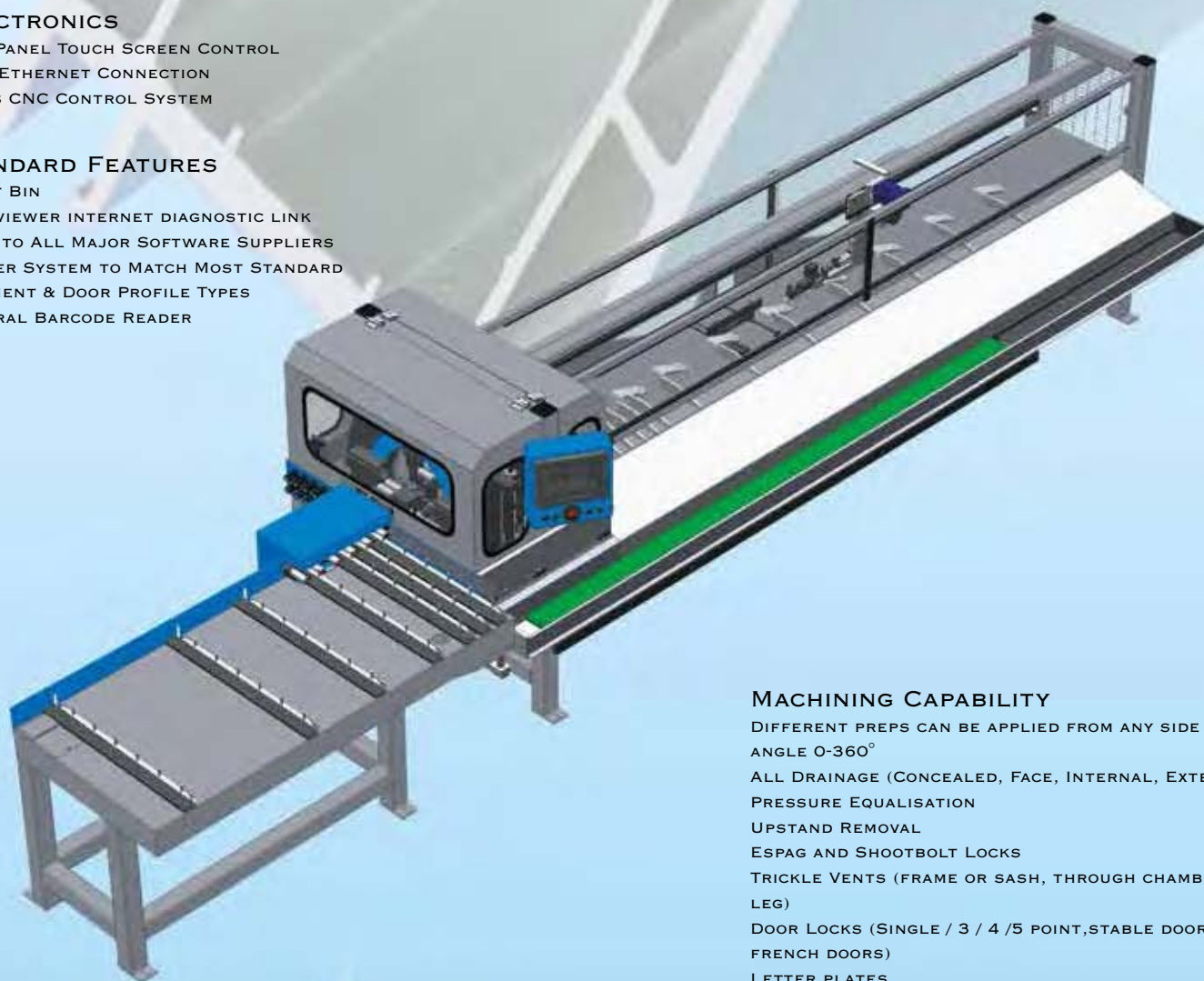


ELECTRONICS

FLAT PANEL TOUCH SCREEN CONTROL
RJ45 ETHERNET CONNECTION
6 AXIS CNC CONTROL SYSTEM

STANDARD FEATURES

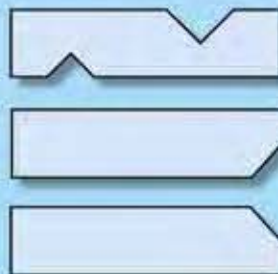
SWarf BIN
TEAM VIEWER INTERNET DIAGNOSTIC LINK
LINKS TO ALL MAJOR SOFTWARE SUPPLIERS
GRIPPER SYSTEM TO MATCH MOST STANDARD
CASEMENT & DOOR PROFILE TYPES
INTEGRAL BARCODE READER



MACHINING CAPABILITY

DIFFERENT PREPS CAN BE APPLIED FROM ANY SIDE AT ANY
ANGLE 0-360°
ALL DRAINAGE (CONCEALED, FACE, INTERNAL, EXTERNAL)
PRESSURE EQUALISATION
UPSTAND REMOVAL
ESPAG AND SHOOTBOLT LOCKS
TRICKLE VENTS (FRAME OR SASH, THROUGH CHAMBER OR
LEG)
DOOR LOCKS (SINGLE / 3 / 4 / 5 POINT, STABLE DOORS,
FRENCH DOORS)
LETTER PLATES
DOOR HINGE SPOT PREPS
V NOTCHING
Y NOTCHING (HALF V NOTCH BEFORE REVERSE BUTT PREP)

THE FULLY PROGRAMMABLE AND
FLEXIBLE GRIPPER SYSTEM BASED ON
AN ADVANCED DESIGN TAKEN FROM
THE HIGHLY SUCCESSFUL SAWING AND
PREPPING CENTRES.





Stuga[®]

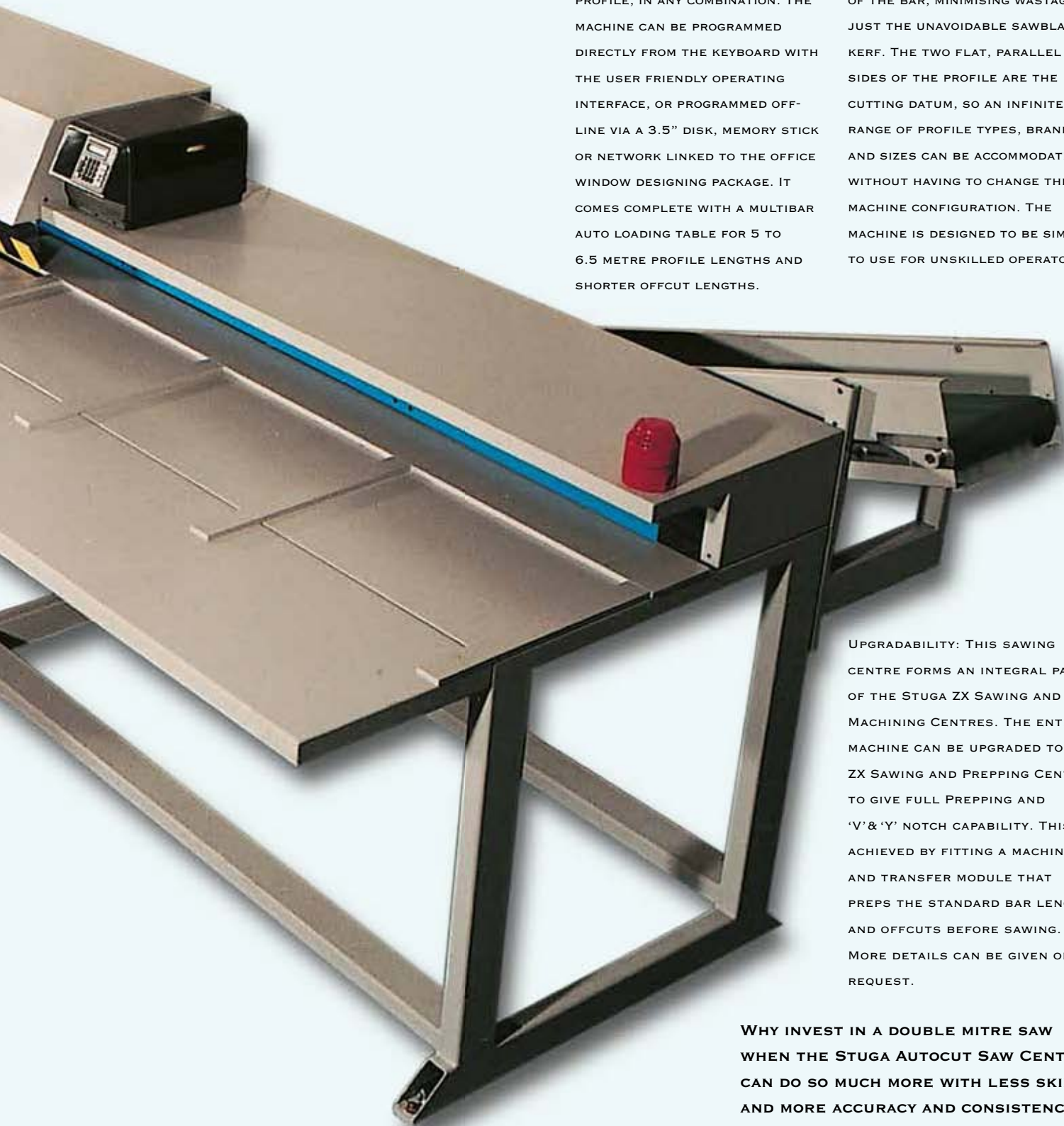
Autocut
Sawing Centre



Stuga® Sawing Centre

THE FULLY AUTOMATIC STUGA SAWING CENTRE IS CAPABLE OF CUTTING MITRES, SQUARES AND ARROW HEADS ON ANY PVCU DOOR AND WINDOW PROFILE, IN ANY COMBINATION. THE MACHINE CAN BE PROGRAMMED DIRECTLY FROM THE KEYBOARD WITH THE USER FRIENDLY OPERATING INTERFACE, OR PROGRAMMED OFF-LINE VIA A 3.5" DISK, MEMORY STICK OR NETWORK LINKED TO THE OFFICE WINDOW DESIGNING PACKAGE. IT COMES COMPLETE WITH A MULTIBAR AUTO LOADING TABLE FOR 5 TO 6.5 METRE PROFILE LENGTHS AND SHORTER OFFCUT LENGTHS.

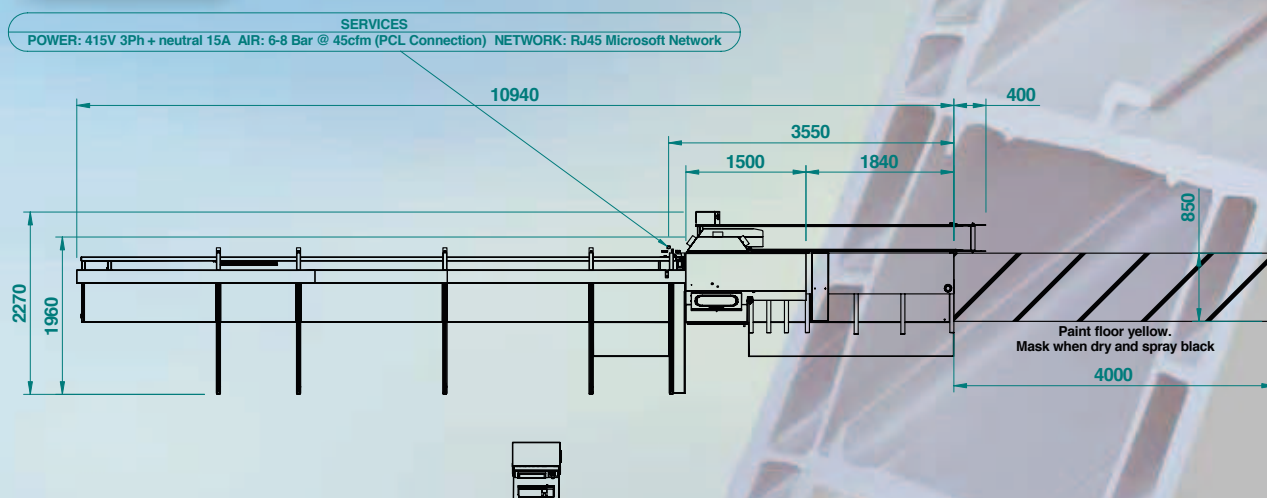
THE MATERIAL IS ADVANCED WITH A SIMPLE PUSHER ARM, COMMON FOR ALL PROFILES. THIS ALLOWS THE MACHINE TO CUT TO THE VERY ENDS OF THE BAR, MINIMISING WASTAGE TO JUST THE UNAVOIDABLE SAWBLADE KERF. THE TWO FLAT, PARALLEL SIDES OF THE PROFILE ARE THE CUTTING DATUM, SO AN INFINITE RANGE OF PROFILE TYPES, BRANDS AND SIZES CAN BE ACCOMMODATED WITHOUT HAVING TO CHANGE THE MACHINE CONFIGURATION. THE MACHINE IS DESIGNED TO BE SIMPLE TO USE FOR UNSKILLED OPERATORS.



UPGRADABILITY: THIS SAWING CENTRE FORMS AN INTEGRAL PART OF THE STUGA ZX SAWING AND MACHINING CENTRES. THE ENTIRE MACHINE CAN BE UPGRADED TO A ZX SAWING AND PREPPING CENTRE TO GIVE FULL PREPPING AND 'V' & 'Y' NOTCH CAPABILITY. THIS IS ACHIEVED BY FITTING A MACHINING AND TRANSFER MODULE THAT PREPS THE STANDARD BAR LENGTHS AND OFFCUTS BEFORE SAWING. MORE DETAILS CAN BE GIVEN ON REQUEST.

WHY INVEST IN A DOUBLE MITRE SAW WHEN THE STUGA AUTOCUT SAW CENTRE CAN DO SO MUCH MORE WITH LESS SKILL AND MORE ACCURACY AND CONSISTENCY? SUITABLE FOR ALL SIZES OF UPVC WINDOW AND DOOR FABRICATOR.

End Preparations



PRODUCTION DIRECTION
(LOADED FROM THE LEFT) →

SERVICES
Power: 415V 3Ph + Neutral 15A
Air: 6-8Bar @ 45 cfm (PCL Connection)
Network Con: RJ45

MACHINING/PREPPING

THE STUGA SAW CENTRE IS FULLY COMPATIBLE WITH THE ENTIRE RANGE OF STUGA AUTOMATIC PREPPING CENTRES INCLUDING THE MULTI-HEAD, HIGHFLOW AND ECOLINE CENTRES FOR DRAINAGE, GEARBOX PREPS, TRICKLE VENTS, DOOR PREPS, 'V' NOTCHES AND MUCH MORE.

ALSO AVAILABLE IN RIGHT TO LEFT VERSION

Stuga[®]

Stuga CNC Routermaster



the Stuga CNC Router

FEATURES

THE STUGA COMPUTER CONTROLLED ROUTER REPRESENTS A TECHNICALLY ADVANCED SYSTEM OF ROUTER MACHINING FOR PREPARATION OF ALUMINIUM AND PVC-U EXTRUSIONS. THE CUTTING HEADS CAN BE PROGRAMMED TO MOVE THROUGHOUT THREE DIMENSIONS TO CUT OR DRILL ANY ARRANGEMENTS OF SLOTS OR HOLES.

FULLY AUTOMATIC MACHINING CYCLE

CAN BE USED BY UNSKILLED OPERATORS
HIGH VOLUME PRODUCTION WITH
CONSISTENT ACCURACY
INSTANT CHANGE-OVER OF ROUTING ROUTINES
USES STANDARD 8 MM CUTTERS



CARRIAGE & CUTTER HEAD

THE CARRIAGE UNIT FEATURES A MULTI-SPINDLE OVERARM HEADSTOCK OF THREE 90 DEGREE OPPOSED CUTTER SPINDLES. USING STANDARD 8 MM CUTTERS MACHINING CAN BE CARRIED OUT ON ANY OF THREE FACES ALONG THE ENTIRE LENGTH OF AN EXTRUDED SECTION.

GENERAL INFORMATION

PRECISION LINEAR BEARINGS ON ALL SLIDWAYS

PC COMPATIBLE COMPUTER CONTROL SYSTEM INCLUDING:
MEMORY STICK (FOR BACKUP)

HARD DISK DRIVE (INTERNAL
PROGRAM STORAGE)
TOUCH SCREEN INTERFACE
PULL-OUT KEYBOARD

STANDARD EQUIPMENT

LEFT HAND MATERIAL STOP
FOUR OFF MATERIAL CLAMPS
HIGH / LOW PRESSURE 2 STAGE
CLAMP SYSTEM
FULL ACOUSTIC HOOD GUARDING
INTERNAL FLUORESCENT STRIP
LIGHT
TEAM VIEWER
INTERNET DIAGNOSTICS
RIGHT HAND STOP OR CENTRE
STOP FOR WORKING EACH HAND
OF DOOR SECTION
ETHERNET CARD LINK TO OFFICE
COMPUTER FOR CENTRALISED
DATA STORAGE AND OFF-LINE
PROGRAM EDITING

SERVO DRIVE ON
MAIN AXIS 20 M/MIN
TRAVERSE SPEED

OPTIONAL EXTRAS

BAR-CODE READER, SPRAY MIST
COOLANT

CONTROL SYSTEM

USING THE LATEST PC COMPATIBLE COMPUTER SYSTEM, THE MACHINE RUNS A STORED PROGRAM OF MOVEMENT COMMANDS. THE PROGRAMS ARE SECURELY STORED ON A HARD DISK DRIVE INSIDE THE MACHINE. AN EDITOR FACILITY ALLOWS PROGRAMS TO BE CREATED, EDITED AND STORED.

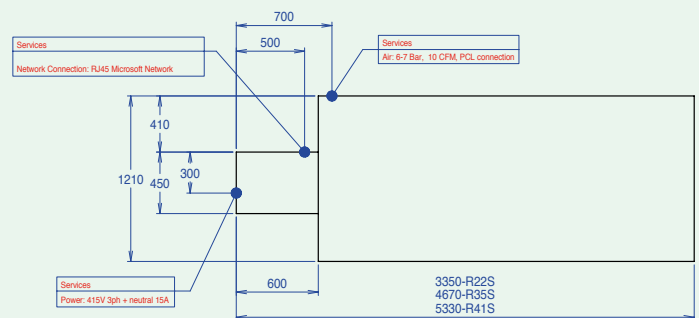
MATERIAL CLAMPING

SECURE CLAMPING IS PROVIDED BY A NUMBER OF CLAMP BLOCK ASSEMBLIES. THE UPWARD STROKE OF THE CLAMPS WILL ENSURE AN ACCURATE DATUM TO THE TOP PROFILE BLOCKS. THE CLAMPING ASSEMBLIES ARE PNEUMATIC POWERED AND ACTUATED BY A FOOT VALVE.

VARIANTS

THE STUGA ROUTER CAN BE SUPPLIED WITH THREE DIFFERENT LENGTH CAPACITIES AND TWO DIFFERENT HEIGHT CAPACITIES. (CAPACITIES SHOWN ARE MACHINING CAPACITIES).

	LENGTH	HEIGHT
MODEL	CAPACITY	CAPACITY
STU-R22-S	2200 MM	80 MM
STU-R35-S	3500 MM	80 MM
STU-R41-S	4100 MM	80 MM
STU-R22-H	2200 MM	160 MM
STU-R35-H	3500 MM	160 MM
STU-R41-H	4100 MM	160 MM



NOW WITH WINDOWSTM FRONT END SOFTWARE

stuga autoflow 2 sawing and machining centre

a volume orientated yet compact
machine for fully automatic sawing
and machining of uvc windows and doors



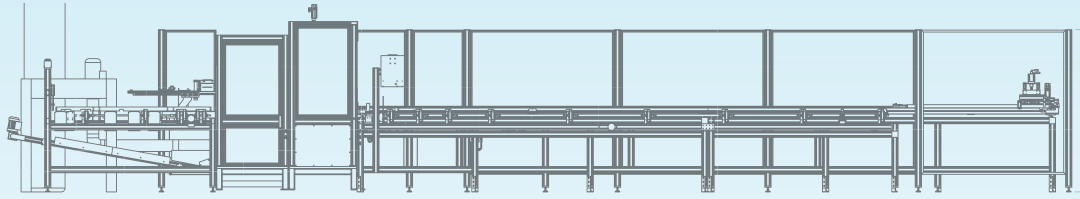
THE AUTOFLOW 2 IS DESIGNED FOR ALL CASEMENT WINDOWS, TILT AND TURN, VERTICAL SLIDERS, ALL DOORS INCLUDING BI FOLDS, RESIDENTIAL DOORS, FRENCH DOORS AND INLINE SLIDERS PRODUCING AN OUTPUT OF 400-450 WINDOWS PER WEEK.

EACH SECTION OF A 'VS' WINDOW CAN BE AUTOMATICALLY PRODUCED ON THE 'VS' VERSION OF THIS MACHINE INCLUDING FRAME TO CILL ANGLE AND MECHANICAL PREPS IN CILL FOR BOLTING TO FRAME. LEADING EDGE SOFTWARE ENSURES SPEEDY THROUGHPUT OF PRODUCT AND EXCELLENT PROFILE OPTIMISATION TO MINIMISE WASTAGE. RANDOM OFFCUTS CAN BE USED AT ANYTIME.

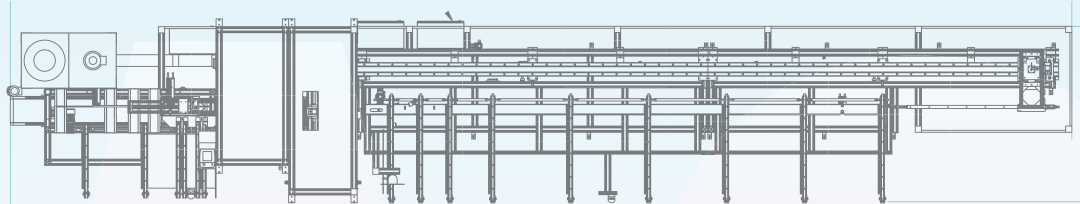
ANOTHER THOROUGHbred FROM THE STUGA STABLE.

Stuga[®]
Machinery

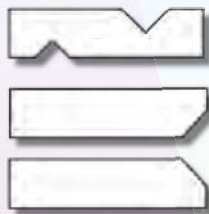
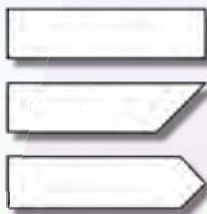
autoflow2 for volume production



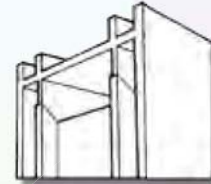
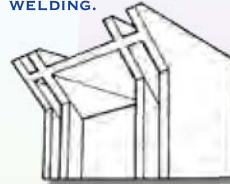
FOOTPRINT 13.5 METERS X 2.3 METERS



RIGHT TO LEFT FEEDING AUTOFLOW2 ALSO AVAILABLE LEFT TO RIGHT FLOW DIRECTION



Q-CUTS TRIMMING HEAD OF UNEQUAL CASEMENT BEFORE WELDING.



MACHINING MODULE CAPABILITY UNLIMITED NUMBER OF DIFFERENT PREPS CAN BE APPLIED FROM ANY SIDE AT ANY ANGLE 0-360 DEGREES.

ALL DRAINAGE CONCEALED / FACE, INTERNALLY OR EXTERNALLY GLAZED, UPSTAND REMOVAL, PRESSURE EQUALISATION

SPOT PREPS FOR EASIER ASSEMBLY FRICTION STAY PILOT HOLES, DOOR HINGES, ANTI-BOW WEDGE, ANTI-JEMMY WEDGE, CASEMENT KEEPS, ALUMINIUM LOW THRESHOLD SPOT PREP

TRICKLE VENTS: FRAME OR SASH, THROUGH CHAMBER OR LEG

DOOR LOCKS IN ANY COMBINATION (INCLUDING DOUBLE PLUNGE) SINGLE, 3 OR 4 POINT, STABLE DOORS, FRENCH / SLAVE DOORS, PATIO DOOR LOCKS, HINGE DOOR LOCKS

DOOR LOCK JAMB LETTER PLATES INCLUDING FIXING HOLES

ESPAG AND SHOOTBOLT LOCKS

TILT & TURN HINGES & LOCKS, FULLY REVERSIBLE HINGES & LOCKS

MECHANICAL TRANSOM

FRAME DRILLING, REINFORCING RELIEF PORT, BEAD CHANNEL FORMING

V NOTCHING FROM BOTH SIDES

Y NOTCHING (HALF V NOTCH BEFORE REVERSE-BUTT PREP)

'VS' VERSION AVAILABLE WITH THE FOLLOWING:-

'VS' FRAME TO CILL ANGLE ON 'VS' FRAME.

PREPS IN CILL FOR BOLTING TO FRAME.

'VS' CILLS UP TO 155MM CAN BE PROCESSED AT 90°. VARIABLE ANGLES BETWEEN 45° AND 135° CAN BE CUT ON FRAME AND SASH (OPTIONAL EXTRA).

DOUBLE PLUNGE FACILITY PREPS BOTH SIDES OF TRICKLE VENT OR DOOR SIMULTANEOUSLY DRAMATICALLY INCREASING OUTPUT OF THESE PRODUCTS



Stuga®
Machinery

Stuga Machinery Technical Specification

ALL MACHINES HAVE THE FOLLOWING FEATURES AS STANDARD

TEAMVIEWER INTERNET DIAGNOSTICS
INDUSTRIAL GRADE PC
MICROSOFT WINDOWS
TOUCHSCREEN CONTROL
ETHERNET NETWORK CONNECTION
USB CONNECTION
FULL OPERATOR AND MAINTENANCE TRAINING
FULL PROJECT MANAGEMENT OF INSTALLATION PROCESS

TIMINGS (WINDOWS PER 40HR WEEK 100% EFFICIENCY)

TIMINGS INCLUDE THESE PREPS:- ALL DRAINAGE, V & Y NOTCHES, ESPAGS, 1 x 4000MM TRICKLE VENT PER FRAME, DOOR LOCK, DOOR LOCK JAMB, LETTER PLATE, DOOR HINGES

	ROUTER	SAW	ECOLINE	MICROLINE	AUTOFLOW	ZX3	ZX4
TYPICAL MIX OUTPUT (WINDOWS ONLY)	N/A	997	450	423	461	774	997
TOP HUNG OVER FIXED	N/A	1450	550	440	524	1005	1450
SIDE HUNG / TOP OVER FIXED	N/A	900	400	325	339	650	900
STANDARD DOOR WITH MIDRAIL	400	650	250	380	400	510	600

CAPACITY

PROFILE WIDTH (MM)	MIN	10	45	45	45	45	45
	MAX	100	130	130	150	130	130
PROFILE HEIGHT (MM)	MIN	10	40	55	30	55	55
	MAX	150	140	80	150	85	85
LOADED PROFILE LENGTH (MM)	MIN	100	500	300	700	700	700
	MAX	UNLIMITED	6500	4000	6500	6500	6500
FINISHED CUT LENGTH (MM)	MIN	N/A	285	N/A	285	285	285
	MAX	N/A	6500	N/A	6500	6500	6500
INFEED TABLE POSITIONS		N/A	8	6	8	6	8

SPINDLES FOR ROUTING

HEADS		3	N/A	2	5	4	5	8
POWER (KW)		0.1	N/A	0.75	0.75	0.75	0.75	0.75
TOOL SIZE (MM)	2.5MM – 10MM		N/A	5MM	2.5MM-16MM	2.5MM-16MM	2.5MM-16MM	2.5MM-16MM
SPEED (RPM)	11000		N/A	18000	18000	18000	18000	18000
DOUBLE PLUNGE	No		N/A	No	YES	YES	YES	YES

NOTCHING HEADS

HEADS		N/A	N/A	2	2	2	2	4
POWER (KW)		N/A	N/A	0.75	0.75	0.75	0.75	0.75
SPEED (RPM)		N/A	N/A	3000	3000	3000	3000	3000
BLADE DIAMETER		N/A	N/A	200	200	200	200	200

SAWING HEADS

POWER (KW)		N/A	1.5	N/A	1.5	1.5	1.5	1.5
SPEED (RPM)		N/A	3000	N/A	3000	3000	3000	3000
BLADE DIAMETER		N/A	400	N/A	400	500	400	400
ROTATION (DEGREES)		N/A	-45 / 0 / +45	N/A	-45 / 0 / +45	-45 / 0 / +45	-45 / 0 / +45	-45 / 0 / +45

POSITIONAL AXES

TRAVERSE SPEED (M/S)		1	6	1.5	2	2	2	2
NUMBER OF AXES		3	1	6	6	9	6	7

SERVICES

PHASE	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL
CURRENT (A)	16	16	16	20	20	20	20
VOLTAGE (V)	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%
FREQUENCY (Hz)	50	50	50	50	50	50	50
AIR PRESSURE (BAR)	6	6	6	6	6	6	6
MAX AIR CONSUMPTION (CFM)	5	35	30	45	45	45	45
NETWORK	CAT-5	CAT-5	CAT-5	CAT-5	CAT-5	CAT-5	CAT-5
DIAGNOSTIC CAMERAS	No	No	2	3	3	3	4

MACHINING CAPABILITY

ALL DRAINAGE	No	N/A	YES	YES	YES	YES	
UPSTAND REMOVAL	No	N/A	YES	YES	YES	YES	YES
ESPAG AND SHOOTBOLT LOCKS	YES	N/A	YES	YES	YES	YES	YES
TRICKLE VENTS	YES	N/A	YES	YES	YES	YES	YES
DOOR LOCKS	YES	N/A	YES	YES	YES	YES	YES
DOOR LOCK JAMB	YES	N/A	YES	YES	YES	YES	YES
LETTER PLATES	YES	N/A	YES	YES	YES	YES	YES
SPOT PREPS	YES	N/A	NOT RECOMMENDED	YES	YES	YES	YES
MECHANICAL TRANSOM	YES	N/A	YES	YES	YES	YES	YES
V NOTCHING (BOTH SIDES)	No	N/A	YES	YES	YES	YES	YES
Y NOTCHING (BOTH SIDES)	No	N/A	YES	YES	YES	YES	YES
Q-CUTS	No	N/A	No	YES	YES	YES	YES

SAWING CAPABILITY

SQUARE END	N/A	YES	N/A	YES	YES	YES	YES
MITRED END	N/A	YES	N/A	YES	YES	YES	YES
ARROW-HEAD END	N/A	YES	N/A	YES	YES	YES	YES
COMPOUND TILT ANGLE	No	No	No	WITH OPTION	WITH OPTION	No	No

STANDARD EQUIPMENT

FULL ACOUSTIC GUARDING	BARCODE PRINTER	SWARF BIN	BARCODE PRINTER	BARCODE PRINTER	BARCODE PRINTER	BARCODE PRINTER	BARCODE PRINTER
	BAR OPTIMISING SOFTWARE	BARCODE READER	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE
	OFFCUT STORAGE		OFFCUT STORAGE	OFFCUT STORAGE	OFFCUT STORAGE	OFFCUT STORAGE	OFFCUT STORAGE
	EXTRACTION		OFFCUT MEASURING	OFFCUT MEASURING	OFFCUT MEASURING	OFFCUT MEASURING	OFFCUT MEASURING
	FULL SAFETY GUARDING		PROFILE WIDTH MEASURING	EXTRACTION	EXTRACTION	EXTRACTION	EXTRACTION
			EXTRACTION	FULL SAFETY GUARDING	FULL SAFETY GUARDING	FULL SAFETY GUARDING	FULL SAFETY GUARDING
			FULL SAFETY GUARDING				TOOL BREAK DETECTION

OPTIONAL EQUIPMENT

BARCODE READER	MOD FOR LARGER WIDTH	MOD FOR LARGER HEIGHT	COMPOUND ANGLE
ANGLED DRAINAGE HEAD		FOR VS OUTERFRAME	FOR VS OUTERFRAME

NOTE! ANY OUTPUT FIGURES QUOTED ARE BASED ON CERTAIN ASSUMPTIONS AND ARE NOT GUARANTEED. IF YOU WOULD LIKE EXACT OUTPUT FIGURES FOR ANY MACHINE PLEASE FORWARD DETAILED INFORMATION ON VOLUMES, STYLES, OPERATIONS, PROFILES AND SIZES AND WE WILL OFFER A DETAILED REPORT WHICH CAN BE GUARANTEED. IN THE INTEREST OF CONSTANT IMPROVEMENT STUGA RESERVE THE RIGHT TO MAKE CHANGES TO THE ABOVE AT ANY TIME WITHOUT NOTICE.

The Stuga logo is rendered in a large, bold, blue serif font with a white outline. A small registered trademark symbol (®) is positioned to the upper right of the 'a'. The background of the entire page is a blue-toned photograph of a mechanical component, possibly a cable or hose, with some green moss or vegetation growing on it.

Stuga[®]

FOR FURTHER INFORMATION ON ALL
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