

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 SLIDEWAYS

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.

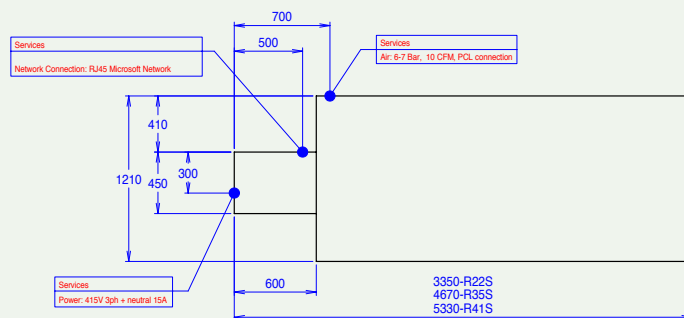
MATERIAL CLAMPING

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).

MODEL	LENGTH CAPACITY	HEIGHT 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 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 400MM TRICKLE VENT PER FRAME, DOOR LOCK, DOOR LOCK JAMB, LETTER PLATE, DOOR HINGES

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

CAPACITY		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
PROFILE WIDTH (MM)	MIN	10	45	45	45	45	45
	MAX	100	130	130	130	130	130
PROFILE HEIGHT (MM)	MIN	10	40	55	55	55	55
	MAX	150	140	80	85	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	4100	6500	6500
INFED TABLE POSITIONS		N/A	8	6	8	8	8

SPINDLES FOR ROUTING		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
HEADS		3	N/A	2	5	5	8
POWER (KW)		0.1	N/A	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
SPEED (RPM)		11000	N/A	18000	18000	18000	18000
DOUBLE PLUNGE		No	N/A	No	Yes	Yes	Yes

NOTCHING HEADS		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
HEADS		N/A	N/A	2	2	2	4
POWER (KW)		N/A	N/A	0.75	0.75	0.75	0.75
SPEED (RPM)		N/A	N/A	3000	3000	3000	3000
BLADE DIAMETER		N/A	N/A	200	200	200	200

SAWING HEADS		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
POWER (KW)		N/A	1.5	N/A	1.5	1.5	1.5
SPEED (RPM)		N/A	3000	N/A	3000	3000	3000
BLADE DIAMETER		N/A	400	N/A	400	400	400
ROTATION (DEGREES)		N/A	-45 / 0 / +45	N/A	-45 / 0 / +45	-45 / 0 / +45	-45 / 0 / +45

POSITIONAL AXES		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
TRAVERSE SPEED (M/S)		1	6	1.5	2	2	2
NUMBER OF AXES		3	1	6	6	6	7

SERVICES		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
PHASE		3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL	3PH + NEUTRAL
CURRENT (A)		16	16	16	20	20	20
VOLTAGE (V)		415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%	415 +/-10%
FREQUENCY (HZ)		50	50	50	50	50	50
AIR PRESSURE (BAR)		6	6	6	6	6	6
MAX AIR CONSUMPTION (CFM)		5	35	30	45	45	45
NETWORK		CAT-5	CAT-5	CAT-5	CAT-5	CAT-5	CAT-5
DIAGNOSTIC CAMERAS		No	No	2	3	3	4

MACHINING CAPABILITY		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
ALL DRAINAGE		No	N/A	YES	YES	YES	YES
UPSTAND REMOVAL		No	N/A	YES	YES	YES	YES
ESPAG AND SHOOTBOLT LOCKS		YES	N/A	YES	YES	YES	YES
TRICKLE VENTS		YES	N/A	YES	YES	YES	YES
DOOR LOCKS		YES	N/A	YES	YES	YES	YES
DOOR LOCK JAMB		YES	N/A	YES	YES	YES	YES
LETTER PLATES		YES	N/A	YES	YES	YES	YES
SPOT PREPS		YES	N/A	NOT RECOMMENDED	YES	YES	YES
MECHANICAL TRANSOM		YES	N/A	YES	YES	YES	YES
V NOTCHING (BOTH SIDES)		No	N/A	YES	YES	YES	YES
Y NOTCHING (BOTH SIDES)		No	N/A	YES	YES	YES	YES
Q-CUTS		No	N/A	No	YES	YES	YES

SAWING CAPABILITY		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
SQUARE END		N/A	YES	N/A	YES	YES	YES
MITRED END		N/A	YES	N/A	YES	YES	YES
ARROW-HEAD END		N/A	YES	N/A	YES	YES	YES

STANDARD EQUIPMENT		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
FULL ACOUSTIC GUARDING							
BARCODE PRINTER			BARCODE PRINTER	SWARF BIN	BARCODE PRINTER	BARCODE PRINTER	BARCODE PRINTER
BAR OPTIMISING SOFTWARE			BAR OPTIMISING SOFTWARE	BARCODE READER	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE	BAR OPTIMISING SOFTWARE
OFFCUT STORAGE			OFFCUT STORAGE		OFFCUT STORAGE	OFFCUT STORAGE	OFFCUT STORAGE
PROFILE WIDTH MEASURING			PROFILE WIDTH MEASURING		OFFCUT MEASURING	OFFCUT MEASURING	OFFCUT MEASURING
EXTRACTION			EXTRACTION		PROFILE WIDTH MEASURING	PROFILE WIDTH MEASURING	PROFILE WIDTH MEASURING
FULL SAFETY GUARDING			FULL SAFETY GUARDING		EXTRACTION	EXTRACTION	EXTRACTION
					FULL SAFETY GUARDING	FULL SAFETY GUARDING	FULL SAFETY GUARDING

OPTIONAL EQUIPMENT		ROUTER	SAW	ECOLINE	MICROLINE	ZX3	ZX4
BARCODE READER							
ANGLED DRAINAGE HEAD			MOD FOR LARGER WIDTH				
					MOD FOR LARGER HEIGHT 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.

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