

Hello,

We are very pleased to present the following machine for your review and approval:

2001 Matsuura MC-550-VX Vertical Machining Center

X Axis Travel: 21.65"

Y Axis Travel: 15.74"

Z Axis Travel: 18.11"

Table Size: 29.9" x 15.96"

Spindle Motor: 10/15 HP

Spindle Speeds: 8,000 RPM

Spindle Taper: CAT 40

Tool Changer: 30 ATC

-EQUIPPED WITH-

Faunc 16iMB High Speed CNC Control

Rigid Tapping

Thru Spindle Coolant with

High Pressure 300 PSI System

Full Forth Axis Yuasa Rotary Table and

Programmable Box 15k Included new Costs.

Turbo Side Discharge Lift Up Chip Conveyor

Optional Arm Type 30 ATC

Optional (1) Royal Right Angle Milling Unit \$ 2,000 Each if Available



PRICE.....\$24,900

Best Regards,

Mike Heim - Sales Manager

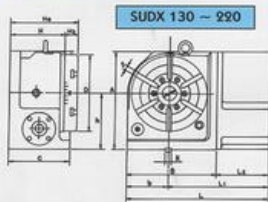


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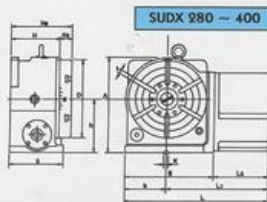




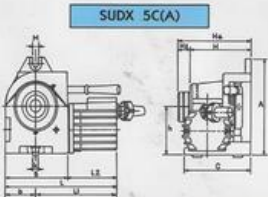
SUDX OVERALL DIMENSIONAL SPECIFICATIONS



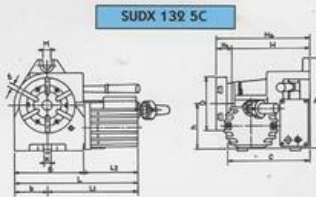
SUDX 130 - 220



SUDX 280 - 400



SUDX 5C(A)



SUDX 132 5C

MODEL	A	B	b	C	D	L	L1	L2	H	H2	H5	t	h	k	M
SUDX 130	8.78	6.35	2.95	7.01	N/A	12.60	9.65	6.22	6.89	1.22	7.91	N/A	4.33	0.83	0.87
SUDX 132-5C(A)	8.78	7.68	3.15	7.68	5.20	12.64	9.49	6.02	7.36	1.50	8.86	0.39	4.33	0.71	0.75
SUDX 130	7.87	6.07	3.03	6.31	5.12	12.28	9.25	5.71	4.78	1.12	5.91	0.39	4.13	0.55	-
SUDX 140	8.39	7.60	3.48	6.51	5.01	14.40	11.22	7.09	4.96	1.34	6.30	0.47	4.53	0.71	-
SUDX 170	9.25	8.46	3.94	6.91	6.89	15.55	11.81	7.20	5.31	1.38	6.50	0.47	5.12	0.71	-
SUDX 220	11.02	10.24	4.72	6.39	6.85	17.32	12.93	7.09	6.18	1.50	7.08	0.47	6.20	0.71	-
SUDX 280	13.26	12.8	5.21	7.88	11.02	20.47	14.67	7.87	6.97	1.60	8.00	0.47	7.48	0.71	-
SUDX 320	15.36	14.17	6.69	8.66	12.60	22.05	15.30	7.87	7.78	1.80	9.85	0.55	8.06	0.71	-
SUDX 400	18.5	17.32	8.27	9.45	15.75	25.20	16.90	7.87	8.54	2.00	10.65	0.55	10.24	0.71	-

SPINDLE & CHUCK SPECIFICATIONS

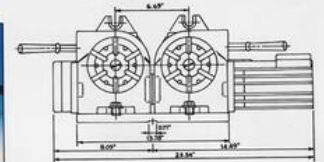
SPINDLE SPECIFICATIONS														CHUCK DIMENSIONS		
MODEL	D1	d	d1	PCD-M	H1	H3	H4	H5	H7	INNER JAW	OUTER JAW	L.D.				
SUDX 130	4.02	2.76	1.88	2.36x45	0.18	0.65	1.81	0.83	7.87	0.12-1.18	0.12-3.38	1.26				
SUDX 140	5.20	3.75	1.26	1.81x45	0.20	0.63	2.44	0.80	8.83	0.12-1.18	0.12-4.13	1.26				
SUDX 170	6.57	3.35	1.77	2.44x45	0.28	0.71	2.60	1.79	10.48	0.18-1.05	0.38-6.14	1.73				
SUDX 220	8.27	4.33	2.80	3.04x45	0.31	0.79	2.85	1.84	11.76	0.18-2.44	0.38-7.09	2.48				
SUDX 280	10.79	5.51	3.54	4.57x45	0.35	0.87	3.58	2.12	13.55	0.18-3.46	0.47-8.06	3.54				
SUDX 320	12.2	6.30	4.33	5.35x45	0.35	0.86	3.78	2.28	14.80	0.20-4.25	0.58-10.43	4.33				
SUDX 400	15.16	7.48	5.12	6.30x45	0.38	1.10	3.94	2.58	18.14	1.87-5.04	2.13-13.31	5.12				



PROGRAMMABLE DUAL SPINDLE INDEXER

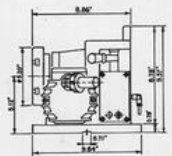


SUDX - 132DX



- ◆ 62 RPM indexing speed.
- ◆ Pneumatic spindle disc brake (dual), providing maximum holding torque.
- ◆ Servo motor can be mounted on either the left or right side of the indexer body.
- ◆ Dual needle and thrust, spindle

- bearings, and dual roller and thrust, worm shaft bearings.
- ◆ Each spindle includes a manual collet closer, and 132mm T-slotted face plate. An air collet closer is optional.
- ◆ Same control features as all other SUDX models.
- ◆ Horizontal or vertical setting position.



OPTIONAL ACCESSORIES



LPG - 200
Large Pulse Generator



SPG - 100
Small Pulse Handwheel



HCT - 001 & TIC - 002
Computer Terminal & Cable



ACSU - 5C
5C Manual Collet Chuck



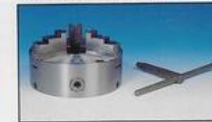
ACSU - 5CA
5C Air Operated Collet Chuck



ACSU - 16C
16C Manual Collet Chuck



TSP Series
Tailstock



585 Series
Accu-Chuck



553 Series
Accu-Chuck Adapter Plate
(A2-5 and 6 adapter plates also available)





THE ULTIMATE PROGRAMMABLE ROTARY TABLE



SUDX 220

SUDX SERIES FEATURES:

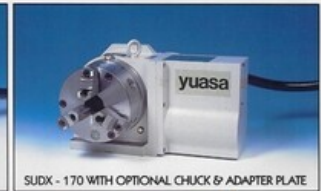
- ◆ Rapid indexing speed up to 75 RPM
- ◆ Resolution to .000.00025° (degree).
- ◆ High Torque DC servo motor for maximum spindle torque.
- ◆ New spindle brake design, with up to 40% more clamping power.
- ◆ Larger dual tapered roller spindle bearings for increased load capacity.
- ◆ New main spindle seal, with dual contact and spring tension, for maximum protection against coolant contamination.
- ◆ Synchronous start, with continuous motion capabilities for helical milling.
- ◆ DOS based programming software package included with each unit, enabling program management from your PC.
- ◆ Compact design, allowing maximum work piece size, even on the smallest of VMCs.
- ◆ Standard M & G Code programming.
- ◆ Ability to use CAD/CAM text editor for writing and downloading programs.
- ◆ Easy jog & work zero set with pulse generator.
- ◆ **SPECIAL NOTE:** Direct "on-line" rotary operation is possible via an RS-232C connection between the CNC machine control and the rotary table controller. Only a single CNC machine program is needed which would include the rotary movements. No need to write a separate program for the rotary table controller.



UDNC 100 CONTROLLER WITH OPTIONAL TERMINAL & CABLE



SUDX - 5C



SUDX - 170 WITH OPTIONAL CHUCK & ADAPTER PLATE



SUDX - 280

SPECIFICATIONS

MODEL	SUDX 5C(A)	SUDX 132 5C(L)	SUDX 132 DX	SUDX 130	SUDX 140	SUDX 170	SUDX 220	SUDX 280	SUDX 320	SUDX 400
SUB TABLE O.D.	5C TYPE	132mm (5c) 5.20"	132mm(2) (5c) 5.20"	130mm 5.12"	140mm 5.51"	170mm 6.69"	220mm 8.66"	280mm 11.02"	320mm 12.60"	400mm 15.75"
CENTER HEIGHT	4.33"	5.12"	5.12"	4.13"	4.53"	5.12"	6.30"	7.48"	8.66"	10.24"
MAX RPM	62	62	75	75	62	62	50	50	16	16
ROTATIONAL TORQUE FT. LBS.	40	50	65	80	100	110	400	450	500	500
SPINDLE BRAKE TORQUE FT. LBS.	N/A	45	50	65	110	180	325	480	650	650
RESOLUTION DEG.	0.000625°	0.000625°	0.00075°	0.000625°	0.000625°	0.000625°	0.000625°	0.000625°	0.000625°	0.000625°
MAX LOAD / HORIZONTAL	44	75	110	180	260	400	550	660	660	660
MAX LOAD / VERTICAL	22	37.5	55	90	130	200	275	330	330	330
POSITIONING ACCURACY	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS	(+/-) 30 SECONDS
REPEATABILITY	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS	10 SECONDS
MOTOR TYPE	DC SERVO COMPLETE WITH 2000 LINE ENCODER									
SETTING POSITION	HORIZONTAL / VERTICAL									
THRU HOLE DIA.	1.114"	1.89"	1.28"	1.77"	2.50"	3.54"	4.33"	5.12"	5.12"	5.12"
POWER SUPPLY	95 VAC TO 120 VAC									
GEAR RATIO	72:1	60:1	72:1	90:1	180:1	180:1	180:1	180:1	180:1	180:1
SPINDLE RUNOUT	.0004"	.0004"	.0004"	.0004"	.0004"	.0004"	.0004"	.0004"	.0004"	.0004"
SPINDLE TYPE	2 3/16"	ACCU FLANGE PLATE WITH 6 T-SLOTS (SUDX 130 - 4 SLOTS)								
NET WEIGHT LBS.	60.6	71.7	150	72	84	108	180	282	418	682