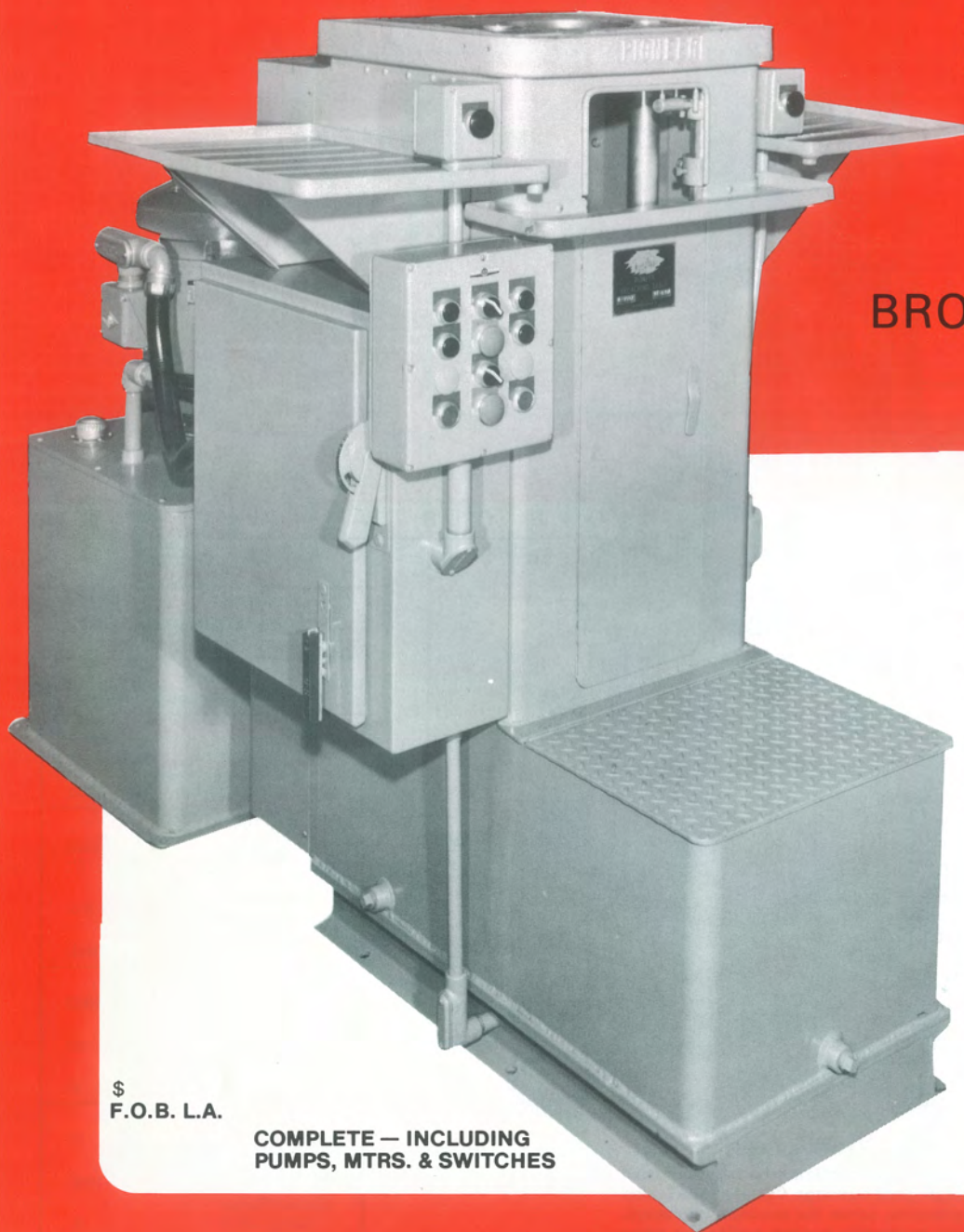


PIONEER

MODEL VT630

BROACHING MACHINE



\$
F.O.B. L.A.

COMPLETE — INCLUDING
PUMPS, MTRS. & SWITCHES

INTERNAL OR SURFACE BROACHING

Pioneer VT Series Broaching Machines provide fast interchangeable setup features for internal and surface vertical pull down broaching. Clear, unobstructed work table permits unlimited range in size of work piece or fixture.

featuring:

- ADJUSTABLE STROKE
- VARIABLE SPEED
- STURDY CONSTRUCTION
- CLEAR WORK TABLE
- FAST SET UP
- DESIGNED FOR MAXIMUM OPERATOR EFFICIENCY
- PROGRAMMABLE CONTROLLER (P.C.)



PIONEER BROACH COMPANY

6434 TELEGRAPH ROAD, LOS ANGELES, CALIFORNIA 90040

(213) 728-1263 • FAX (213) 889-8488
(800) 621-1945 OUTSIDE CALIF.

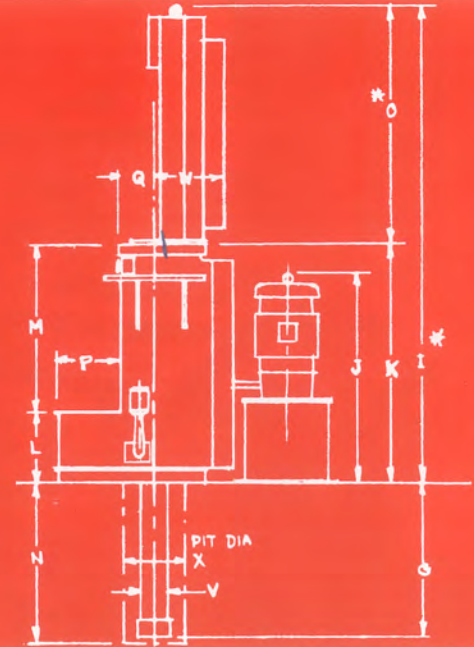
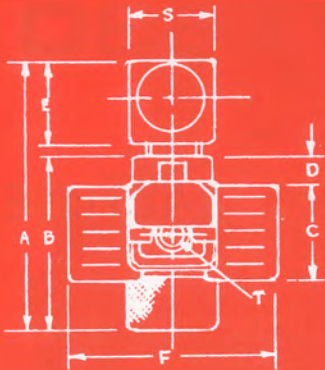
PIONEER MODEL VT630 SERIES BROACHING MACHINES . . .

are low in cost and feature simplicity of "Set up" and operation. Capabilities cover a multitude of internal and surface broaching operations. Work table is clear of any obstructions permitting unlimited range in size of work piece. Sturdy construction assures continual uninterrupted production performance. Standard stock broaches and accessories are available for immediate delivery.

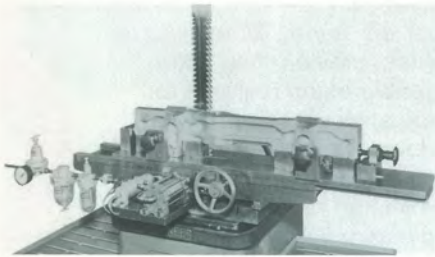
The VT630 utilizes a piston type variable flow hydraulic pump and a 10 H.P. motor. This provides fully adjustable cutting speeds up to 33 feet per minute and return speed of 65 F.P.M.

Field tested for over 20 years, with hundreds of enthusiastic users, Pioneer Model VT630 is one of America's most desired Broaching Machines.

* ADD 1" IF MACHINE IS EQUIPPED WITH DISPLACER UNIT.



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
80	46	25	9	27	52	37	20	133*	50	61	21¼	40	41	57*	16	9	22	27	5	19	8	23	14

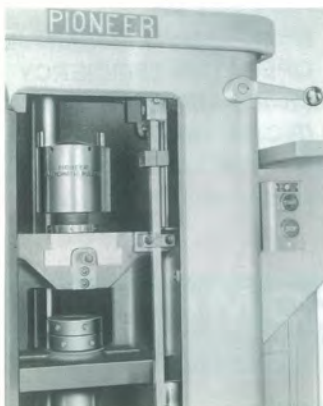
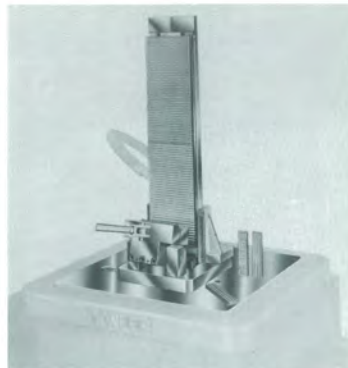


INTERNAL PULL BROACHING

Large work piece and fixture easily mounted on unobstructed work table of VT630 machine. Extremely small and/or high production jobs are accommodated with equal ease. Positive electrical controls permit maximum operation efficiency.

SURFACE BROACHING

Illustrates use of interchangeable combination broach part holding Guide-Fixture. Accurate set up is accomplished in a few minutes with a minimum of tooling.



INTERNAL VIEW

Shows sturdy cast ductile iron balanced pull head with ample guide bushings. Center slide adjusted with precision screw for accurate alignment. Pioneer automatic broach puller, an extra accessory, is shown mounted for internal pull broaching. Use of this type puller eliminates manual broach coupling.

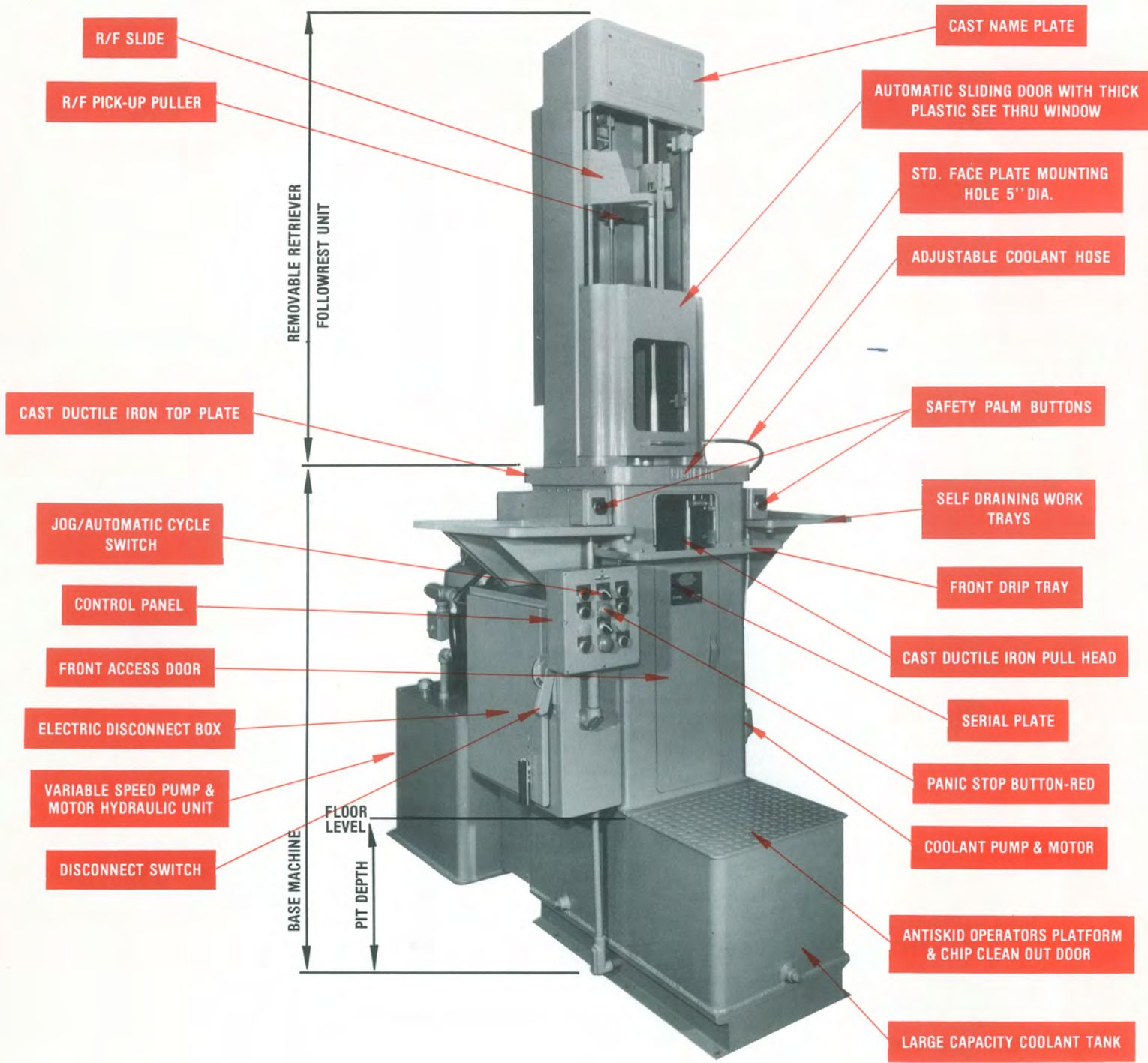
Also available with optional "precision pull head system" which enables faster and more accurate set up changes.

GENERAL SPECIFICATIONS	VT 630
CAPACITIES	
Normal Pull — Tons	6
Max. Stroke — Inches	30
SPEEDS	
Cutting (Variable) F.P.M.	33
Return F.P.M. — Max.	65
MACHINE DATA	
Max. Work P.A.	Unlimited
Bore in Face Plate	5"
Pull Head to Table Bottom	4½
Threaded Receiver for Pullers	2"-8 thd.
HYDRAULIC EQUIP.	
Speed — R.P.M.	1800
Capacity — Oil Reservoir — Gals.	50
Cap. — Coolant Reservoir — Gals.	35
MOTORS	
Main Motor — H.P.	10
Main Motor Speed — R.P.M.	1800
Coolant Pump Motor — H.P.	¼
Standard Voltages (3 Ph., 60 Hz.)	220/440
SHIPPING DATA	
Net Weight — Lbs.	2500
Domestic Shipping Weight — Lbs.	2900
Export Shipping Weight — Lbs.	3100

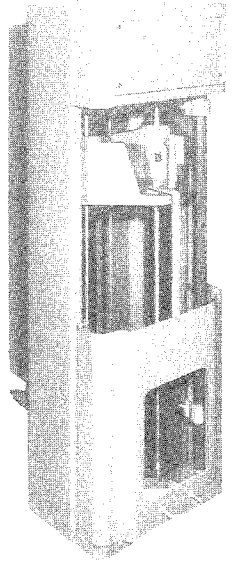
PIONEER MODEL VT630

STANDARD VERTICAL BROACHING MACHINE

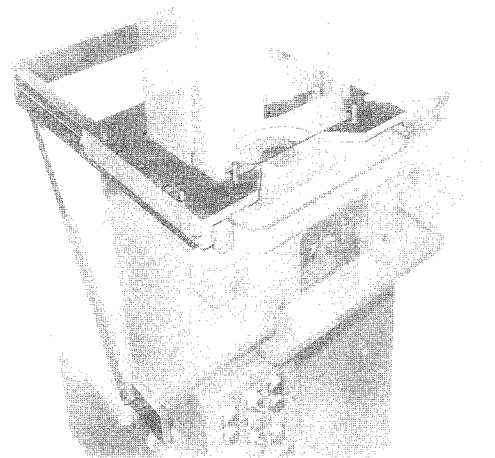
SHOWN WITH RETRIEVER/FOLLOWREST UNIT



OPTIONAL EQUIPMENT AVAILABLE
AT ADDITIONAL COST
RETRIEVER/FOLLOW REST UNIT,
DISPLACER UNIT & CHIP REMOVER UNIT

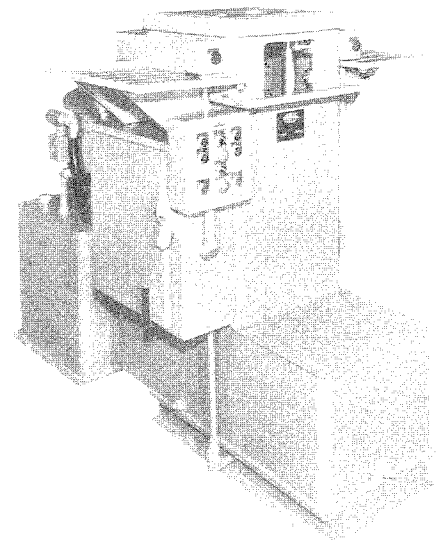


← RETRIEVER/FOLLOW REST UNIT →



← DISPLACER UNIT →

← BASE MACHINE →



Our complete and modern plant is fully equipped to assist you with any of your broaching requirements. For quotations and engineering data, send prints or specifications to our Sales Department.