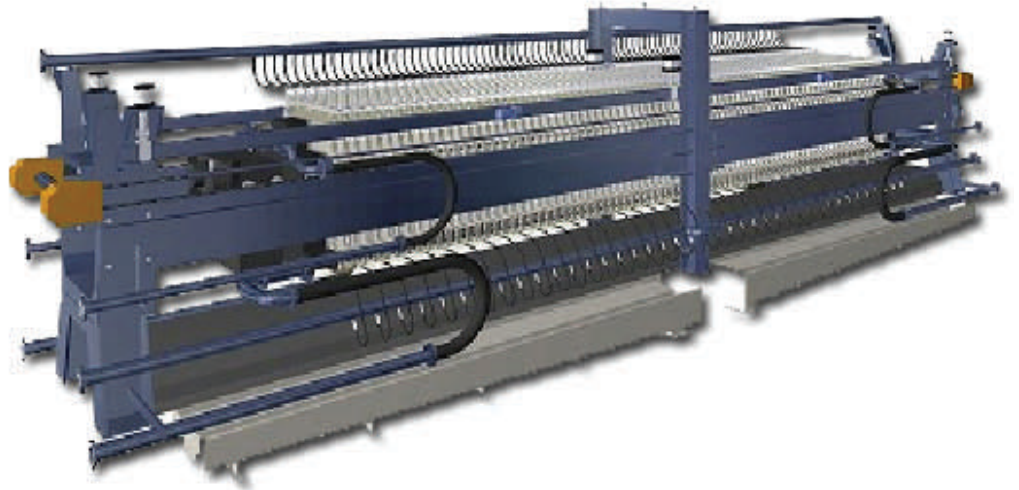


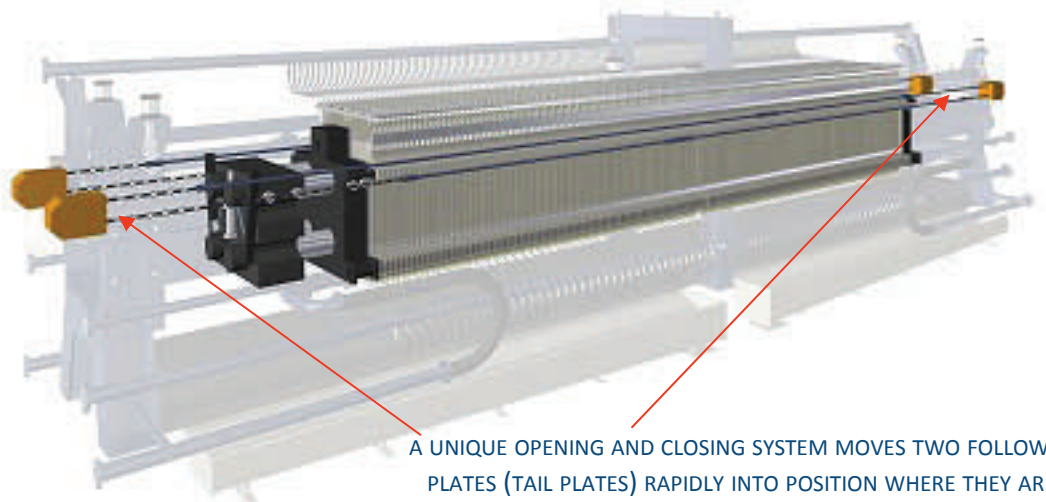
THE WORLD'S FASTEST, MOST RELIABLE, HIGH CAPACITY MINERAL CONCENTRATE FILTER PRESS—FULLY AUTOMATIC



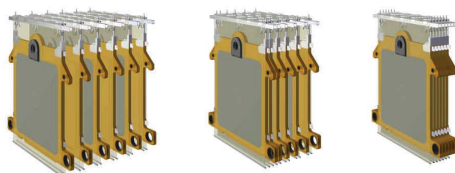
ISHIGAKI COMPANY LTD., HAS DESIGNED AND SUPPLIED THE LASTA-MC FOR Cu, Pb, Zn, Fe CONCENTRATES AND AU TAILING APPLICATIONS WORLDWIDE. OPERATING WITH THE INDUSTRY'S HIGHEST MACHINE AVAILABILITY UPTIME AND PROVEN RESULTS FOR MINES REQUIRING 24 HOUR SERVICE, 365 DAYS PER YEAR. EASILY MAINTAINED, THE FILTER OPERATES AND PRODUCES 92% FILTER CAKES IN SOME OF THE MOST DIFFICULT MINING CONDITIONS.

TO REMAIN COST EFFECTIVE TODAY, A MINE'S DAILY FILTRATION TONNAGE REQUIREMENT NEEDS TO BE MET WITH FEWER MACHINES, PROVIDING HIGH FILTER CAKE VOLUMES, WITHOUT OPERATOR INTERVENTION OR FREQUENT MAINTENANCE REQUIREMENTS.

OPEN & CLOSE TIME - 4 MINUTES

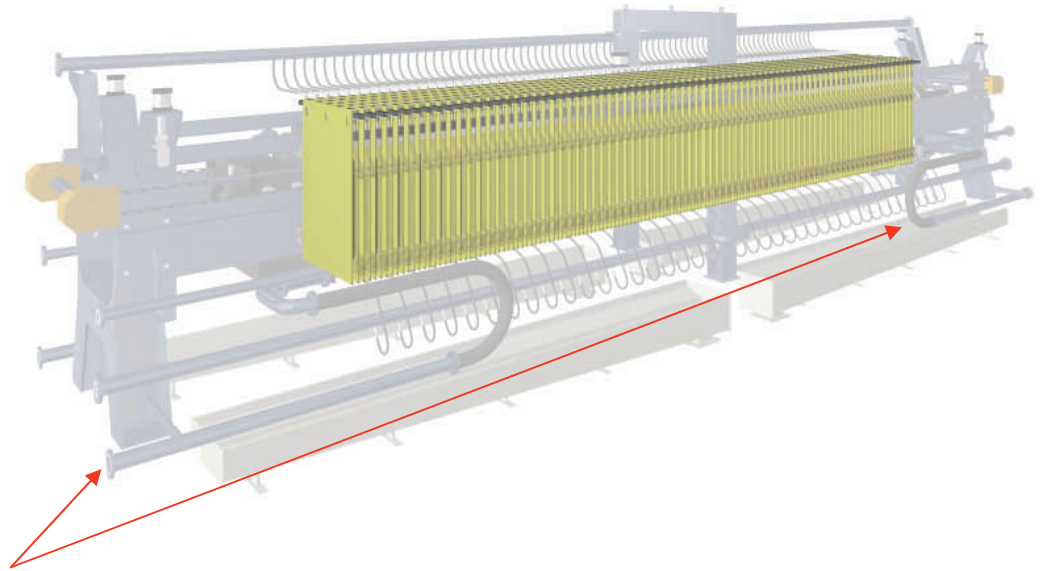


A UNIQUE OPENING AND CLOSING SYSTEM MOVES TWO FOLLOWER PLATES (TAIL PLATES) RAPIDLY INTO POSITION WHERE THEY ARE THEN CLAMPED BY 4 SHORT STROKE CYLINDERS



FILTRATION - 4 MINUTES

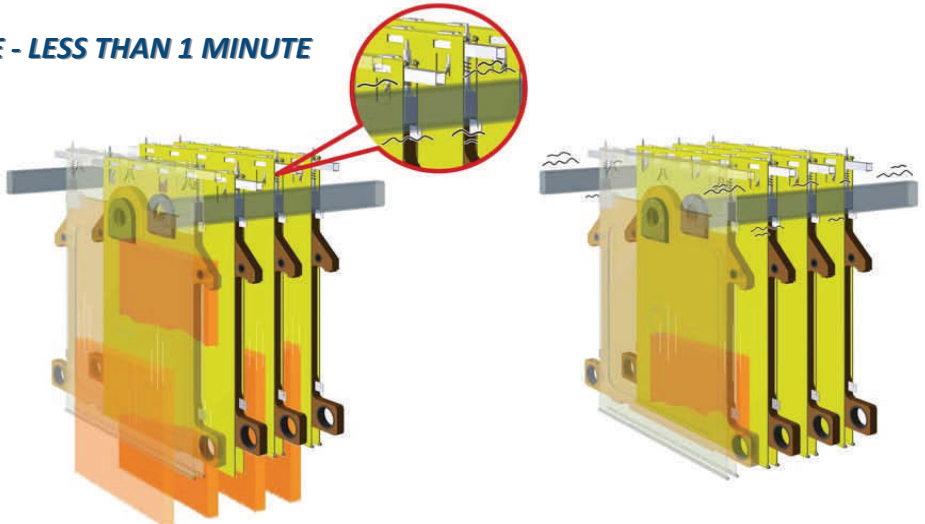
CAKE AIR BLOW - 2 MINUTES



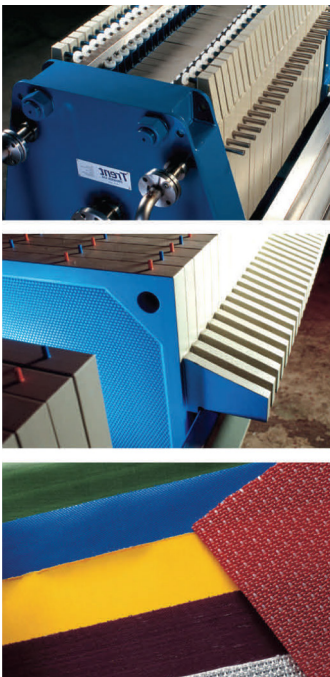
POLYPROPYLENE FILTER PLATES ARE DESIGNED FOR HIGH FLOW TOP CENTER FEED. CONCENTRATE IS DELIVERED FROM BOTH ENDS. FILTRATE DISCHARGES THROUGH LARGE FILTRATE PORTS.

CAKE AIR BLOW IS VIA THE FILTRATE MANIFOLD, DELIVERED TO THE CHAMBERS VIA HIGH WEAR REPLACEABLE FILTRATE PORT

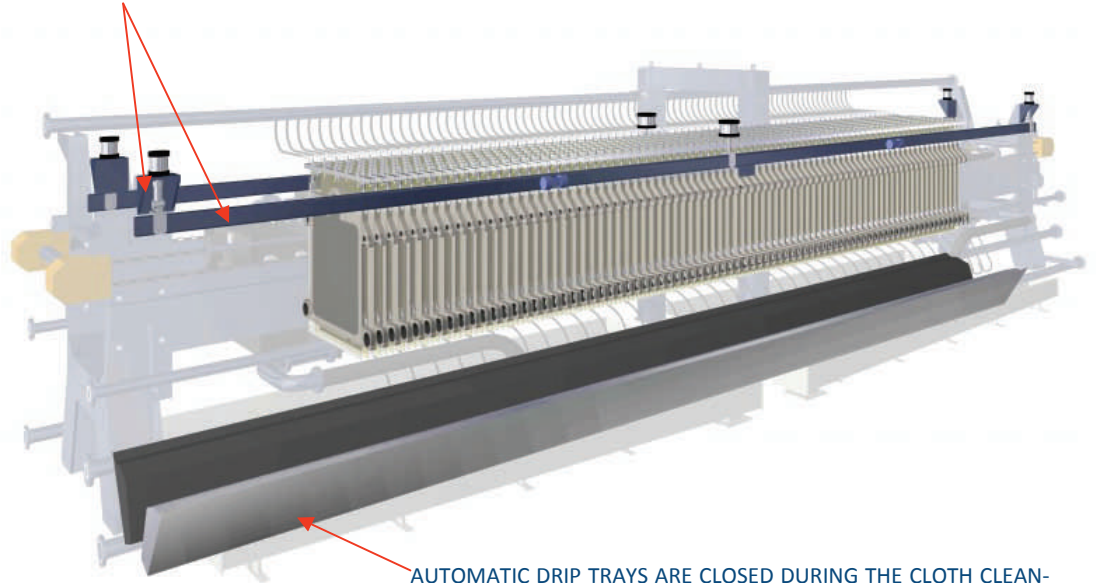
CAKE DISCHARGE - LESS THAN 1 MINUTE



CAKE DISCHARGE IS FULLY AUTOMATIC. THE DESIGN OF THE FILTER CHAMBER AND SEPARATION OF THE CLOTH FROM THE PLATE ACTUATES DISCHARGE, ANY MOMENTARILY HELD CAKES ARE DISLODGED BY THE "CLOTH DROP" MECHANISM. STICKING CAKES ARE SENSED BY THE CLOTH HANGER BAR RESTING ON THE VIBRATOR TUBE. THIS CONDITION ACTUATES A VIBRATION FREQUENCY DESIGNED TO DISCHARGE ALL REMAINING CAKES.

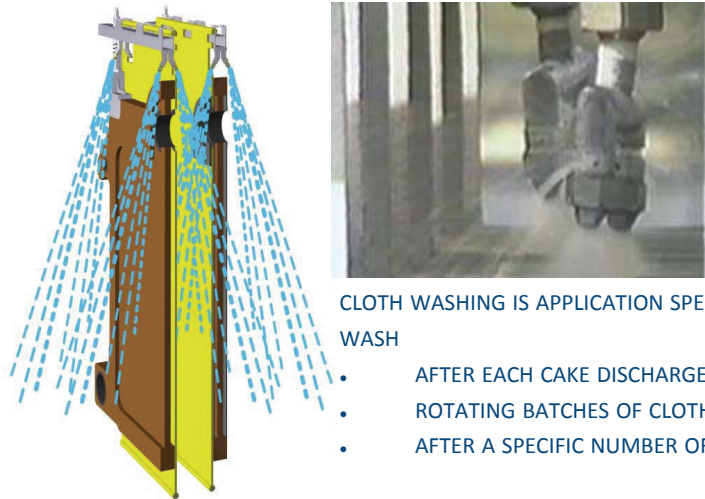


AUTOMATIC VIBRATOR TUBES



AUTOMATIC DRIP TRAYS ARE CLOSED DURING THE CLOTH CLEANING CYCLE TO DISCHARGE THE WASH WATER FLOW AWAY FROM THE FILTER CAKE CONVEYOR

CLOTH WASHING - 1 MINUTE



CLOTH WASHING IS APPLICATION SPECIFIC AND MAY BE SET FOR A TOTAL CLOTH WASH

- AFTER EACH CAKE DISCHARGE CYCLE
- ROTATING BATCHES OF CLOTH
- AFTER A SPECIFIC NUMBER OF CYCLES FOR WATER CONSERVATION

A UNIQUE FEED DEVICE, ATTACHED TO THE FILTER CLOTH PROVIDES EXCELLENT CONCENTRATE DELIVERY INTO THE CHAMBER AND A PROTECTIVE RUBBER LAYER IS USED TO ENSURE A HIGH NUMBER OF CYCLES BEFORE FILTER CLOTHS REQUIRE CHANGING.

THIS PROTECTION ALLOWS MANY MORE OPTIONS FOR FILTER CLOTH DESIGNS TO BE SELECTED.



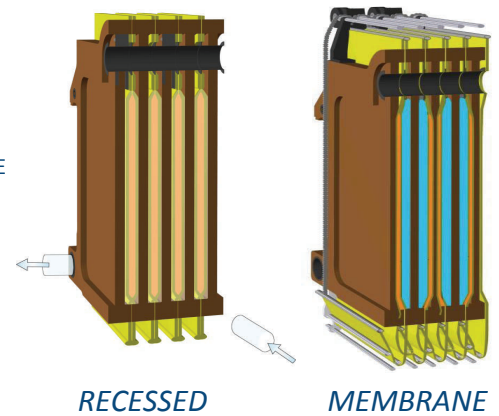
THE FILTER PRESS CAN BE CONFIGURED WITH EITHER RECESSED FILTER PLATES OR COMBINATION MEMBRANE / COMPANION RECESSED PLATES

MEMBRANE SQUEEZE PLATES PROVIDE THE OPTION FOR SQUEEZING AT HIGH PRESSURE AND CAN BE USED TO SHORTEN THE CYCLE TIME AND/OR CONSOLIDATE THE FILTER CAKE FOR MORE EFFECTIVE AIR BLOW RESULTS.

IN THE CASE OF MEMBRANE PLATES ADDITIONAL EQUIPMENT IS REQUIRED TO PROVIDE HIGH PRESSURE WATER FOR SQUEEZING.

WIDTH	LENGTH	MAX #
1500MM	1500MM	124
1500MM	2000MM	120
2100MM	2100MM	100

**Inquire for larger sizes*



SERVICE & TESTING

A CRITICAL COMPONENT OF ANY FILTER PRESS APPLICATION IS AFTER SERVICE. WITHOUT SUPPORT WHEN NECESSARY, SOPHISTICATED EQUIPMENT CAN BECOME BOTH EXPENSIVE TO MAINTAIN AND UNRELIABLE.

WITH SUPPORT THE **LASTA-MC** WILL REMAIN AS DESIGNED, EFFICIENT, COST EFFECTIVE, AND HIGHLY RELIABLE. BOTH ISHIGAKI COMPANY LTD., AND MICRONICS HAVE PARTNERED TO PROVIDE SPARE PARTS, SERVICE AND APPLICATION ASSISTANCE.



TEST EQUIPMENT IS AVAILABLE FOR ON SITE EVALUATION

