



## JUICE SQUEEZER LINE FOR FRESHLY ORANGE JUICE FOR A PRODUCTION OF 450 LITRES / HOUR



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Automatic equipment for industrial processing of oranges to produce freshly squeezed juice using a rotating mechanical juicing unit. The necessary parts for the correct operation of the machinery are described below.

#### INTAKE HOPPER AND BUCKET ELEVATOR.

AISI 304 stainless steel 2.2 metres height bucket elevator, with 250mm width buckets, actuated by an aluminium alloy gear motor unit operated from the control panel through an electronic frequency converter so that optimal feed is achieved to the squeezing area regulating elevator speed. The Z450 is supplied with a large AISI-304 stainless steel fruit collecting hopper.

#### FEEDING BELT CONVEYOR.

Horizontal belt conveyor which returns excess of fruit to the intake hopper by means of a AISI 304 channel. It has an aluminium alloy gear motor controlled together with the bucket elevator. Robust nylon rollers with AISI-304 stainless steel cores and food-safe silicone belt FDA approved.



## JUICER HEAD.

This AISI 304 stainless steel juicer head has a removable front for cleaning the heads, a shiny polished stainless steel outside frame and a control window made of food-safe transparent plastic. It is actuated by an aluminium alloy gear motor unit with an intermediate gear train lubricated by pulleys and controlled by the control panel. Its self-moving and adjustable height structure consists entirely of AISI-304 stainless steel. The juicer heads are made of food-safe aluminium alloy and an AISI-304 stainless steel conical bushing for facilitating rapid set-up and takedown (change of juicer Kit). The filter has 2mm perforations and a rotating strainer with a removable front actuated by an independent gear motor unit. This filter evacuates seed and pulp remains to a container. It is made of AISI-304 stainless steel with the leading edges of the strainer made of food-safe silicone.

## PEEL CART

0.4 m3 AISI-304 stainless steel peel cart with a large tip-up door and wheels for facilitating movement.

## CONTROL PANEL.

Electric control panel for operating all of the equipment.

## TECHNICAL SPECIFICATIONS OF THE ZUMEX Z-450.

Juicing Kit (series) : 8 cavity intermediate Kit

Production : 400, 450 litres / hour

Diameter of fruit : minimum Ø70mm; maximum Ø85mm

Weight : 700 Kg (approximate)

Measurements (h x l x w) : 2.2 x 2.5 x 1 (metres)

Consumption : 2.010 W