



FRUIT PROCESSING

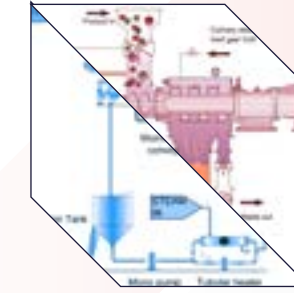


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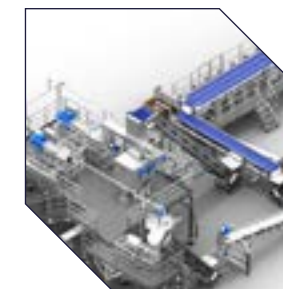
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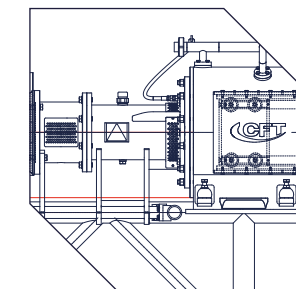
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FRUIT PROCESSING

At CFT Group we have decades of experience in fruit processing technology. Starting with our Manzini brand and later as CFT Group, we have succeeded in developing some of the most advanced technologies available in the market for the whole fruit processing line.



PRODUCTS

POMACEOUS



APPLE



PEAR

TROPICAL



PAPAYA



PASSION FRUIT



GUAYAVA



MANGO



PINEAPPLE



BANANA

BERRIES



STRAWBERRY



RASPBERRY



FROZEN IQF
BERRIES

STONED FRUIT



APRICOT



PEACH



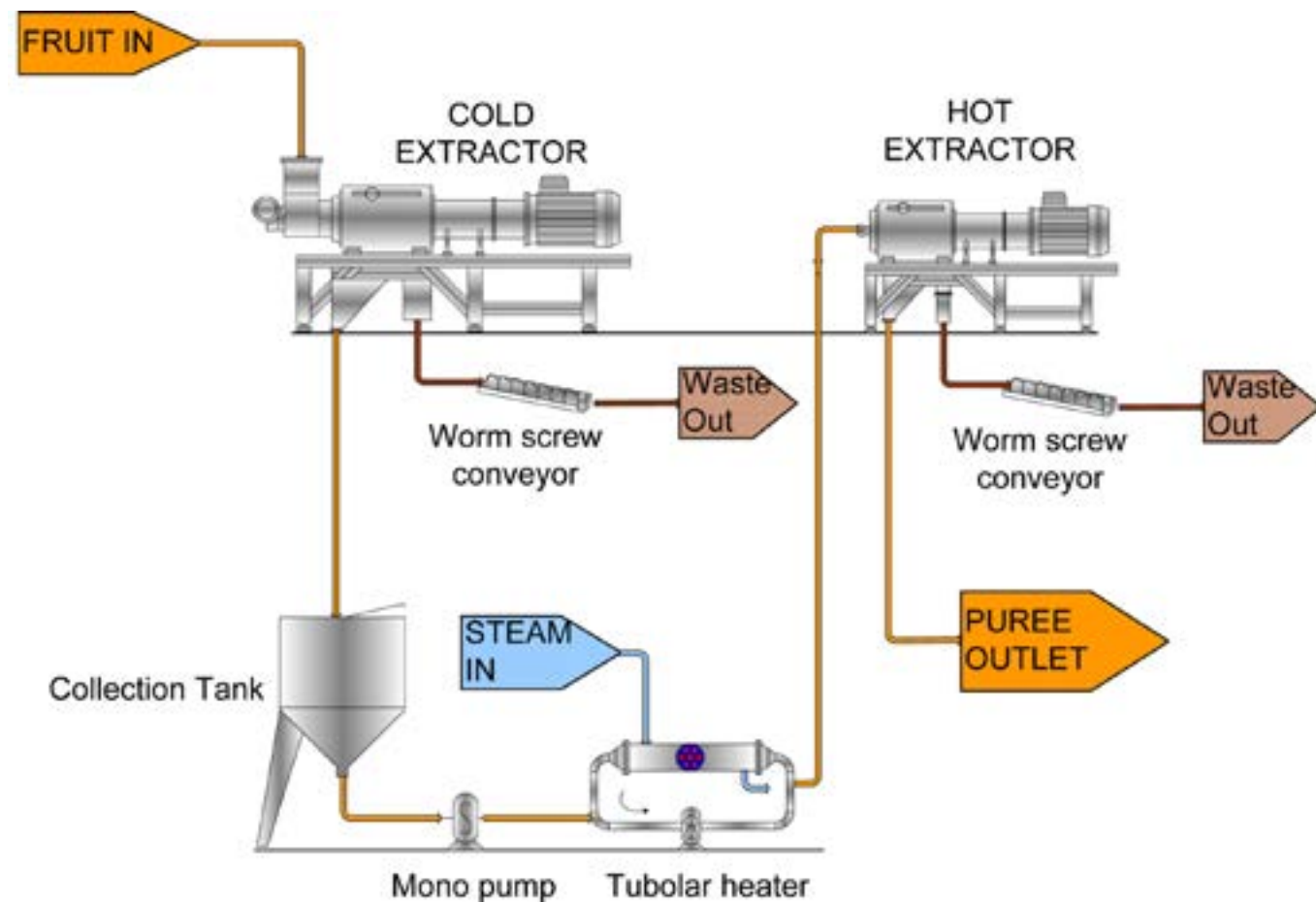
CHERRY



PRUNES

TECHNOLOGY

STANDARD COLD EXTRACTION



- Aerobic cold extraction
- Intermediate storage tank
- Cold deaeration
- Enzyme deactivation

TECHNOLOGY PILLARS

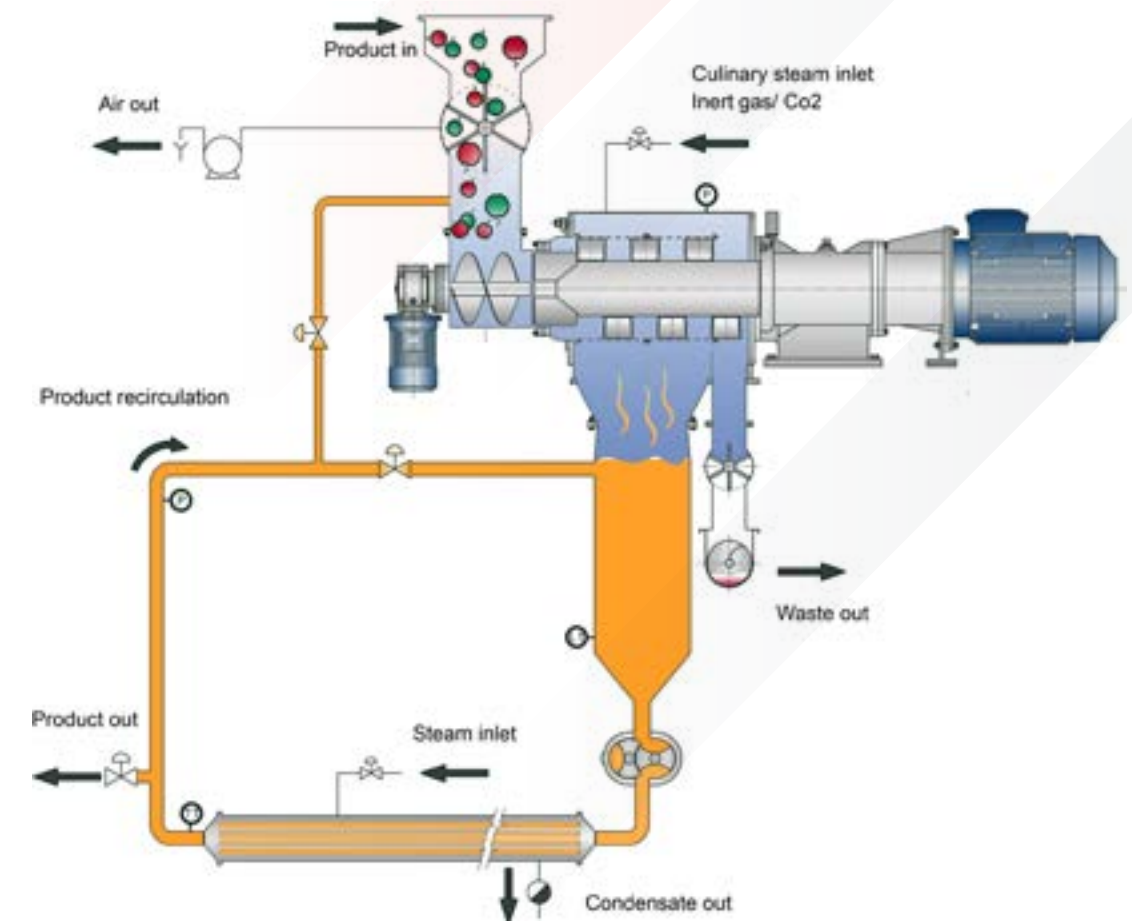
COLD EXTRACTION

AEROBIC PROCESS

DELAYED ENZYME
DEACTIVATION

COMPARISON

ZENITH PRINCIPLE



- Star valve
- Anaerobic cold extraction
- Fast enzyme deactivation

TECHNOLOGY PILLARS

COLD EXTRACTION

ANAEROBIC PROCESS

FAST ENZYME
DEACTIVATION

PROCESS ADVANTAGES

- Ascorbic acid reduction (down to 0 ppm)
- Improvement in color (up to 25% on Hunterlab "L" value)
- Just whole fruits or deactivated puree are present in the line: reduced enzymatic product oxidation
- Only stabilized product on power shortage/slow down



EXTRACTION UNIT ADVANTAGES

- High flexibility infinite combination of RPM, residence time, screen size
- Easy and cost-effective maintenance:
 - ▢ Quick paddles replacement
 - ▢ Rotor with reversable turning direction



- Better ergonomics and operator safety
 - ▢ Light weight screen
 - ▢ Motorized rotor extraction

- Robust and clean screens without support cage



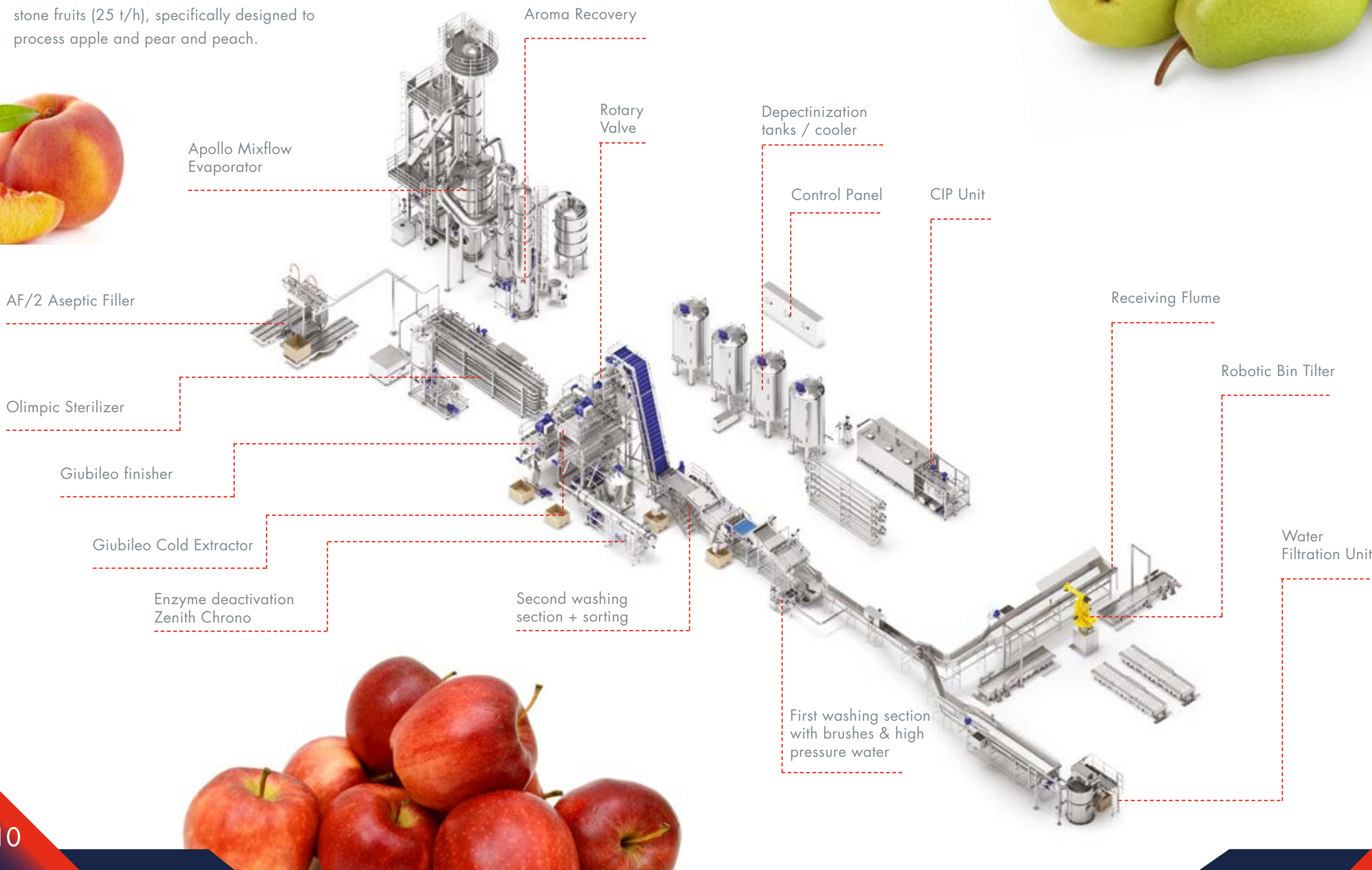
- Improved extraction yield (up to 98% on whole apples)

- Rubber free destoning



CONTINENTAL FRUIT PUREE LINE

An example of complete line for pomaceous and stone fruits (25 t/h), specifically designed to process apple and pear and peach.



TROPICAL FRUIT PUREE LINE

An example of complete line for tropical fruit (6 t/h), specifically designed to process pineapple, papaya, maracuja and mango.



Enzyme deactivator
Zenith Chrono

Giubileo finisher

Cold Extractor
Giubileo

Pineapple
Extractor

Sorting/Cutting
Table

Receiving Tank

Brusher

Scalder /
Cooker

Decanter

Depulper

Special Hammer
Mill

- ▶ Maracuja
- ▶ Mango
- ▶ Papaya
- ▶ Pineapple



APPLE SAUCE LINE AND CHUNKY PUREE

Rotary valve

Cold extractor

US PATENT

Second
stage
finisher

Waste

- 97% yield
- 2,2 mm screen
- High texture / chunkyness product

CUSTOMIZATION FOR SPECIAL FRUITS



STONE FRUITS

- ▣ Mill for rubber free destoning

PINEAPPLE

- ▣ Extractor for pineapple:
 - 70% first extraction yield
 - No need for "class B" juice production
 - Final yield ~60%



BANANA PUREE

- ▣ Rotary valve and anaerobic product pumping group
- ▣ Reduced oxidation

MANGO/GUAYAVA/PASSION FRUIT LINE

- ▣ Special molder hammer mill and depulper assembly



FRUIT LINE RANGES

LONG EXTRACTORS

GIUBILEO E55

Infeed product	Up to 10 t/h
Power installed	55 kW
Weight	4000 kg

GIUBILEO E75

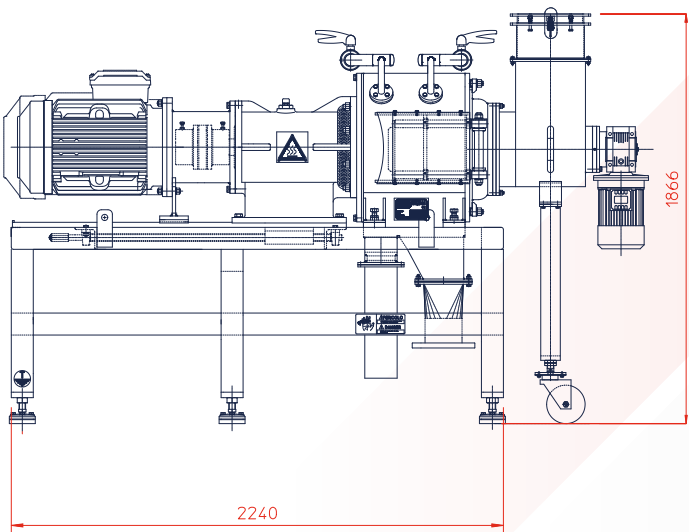
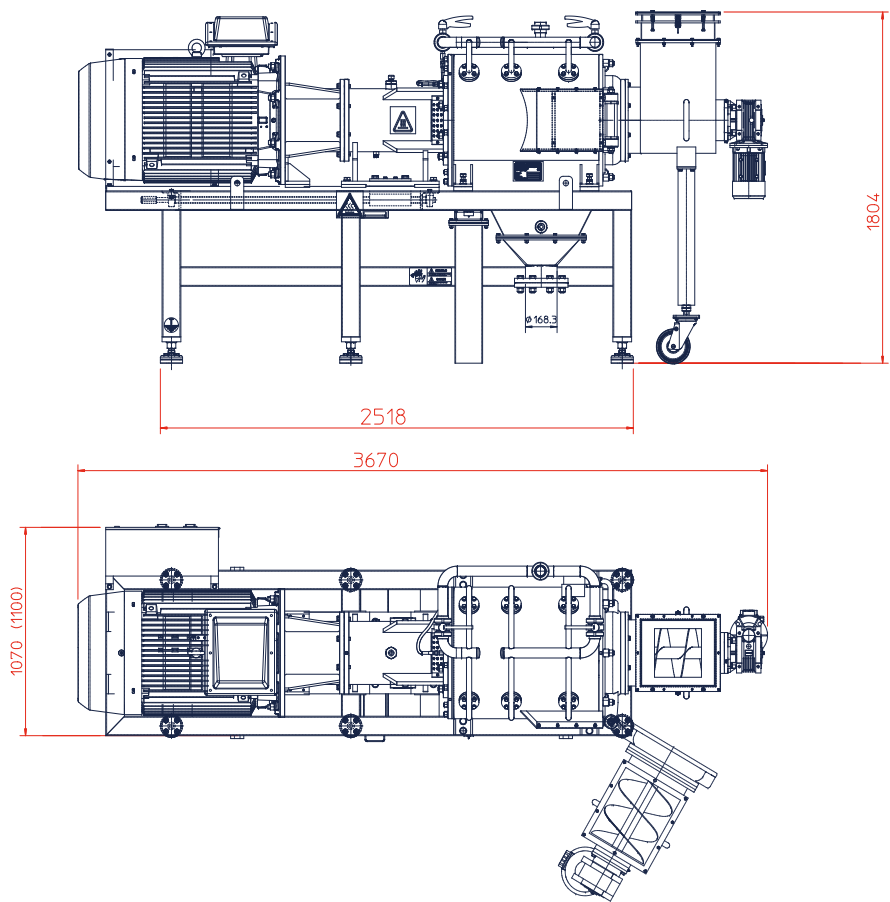
Infeed product	Up to 15 t/h
Power installed	75 kW
Weight	4000 kg

GIUBILEO E90

Infeed product	Up to 20 t/h
Power installed	90 kW
Weight	4000 kg

GIUBILEO E110

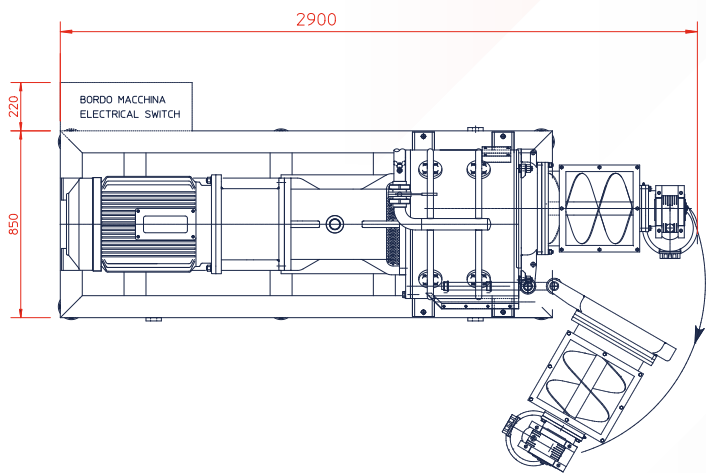
Infeed product	Up to 25 t/h
Power installed	110 kW
Weight	4000 kg



SHORT EXTRACTORS

GIUBILEO ES55

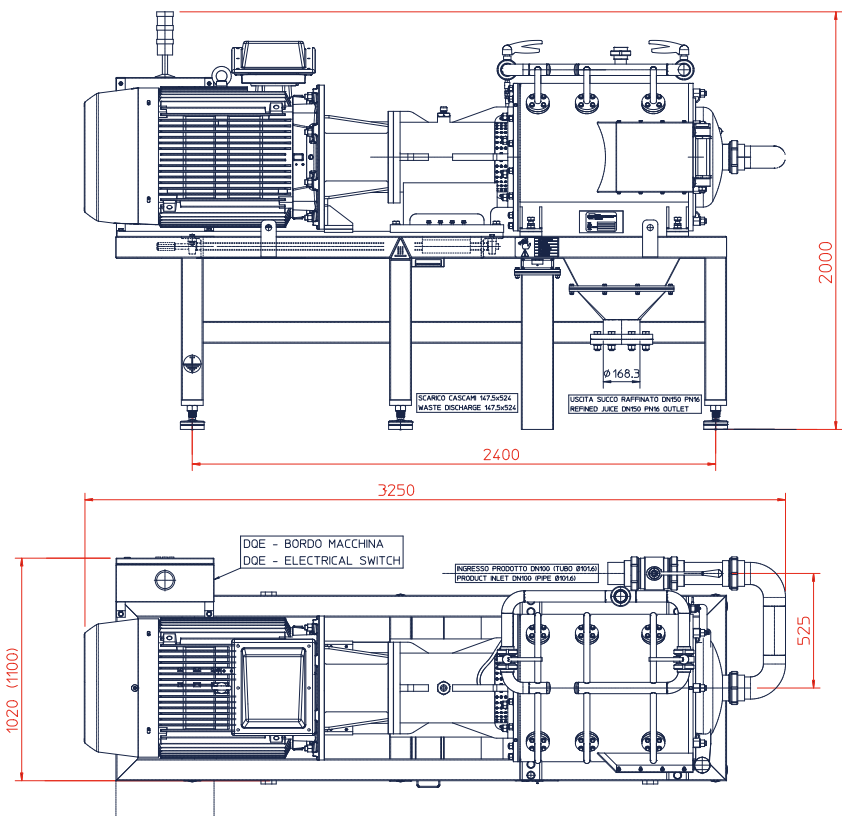
Infeed product	Up to 5 t/h
Power installed	55 kW
Weight	3000 kg



LONG REFINERS

GIUBILEO 55 - 75 - 90 - 110

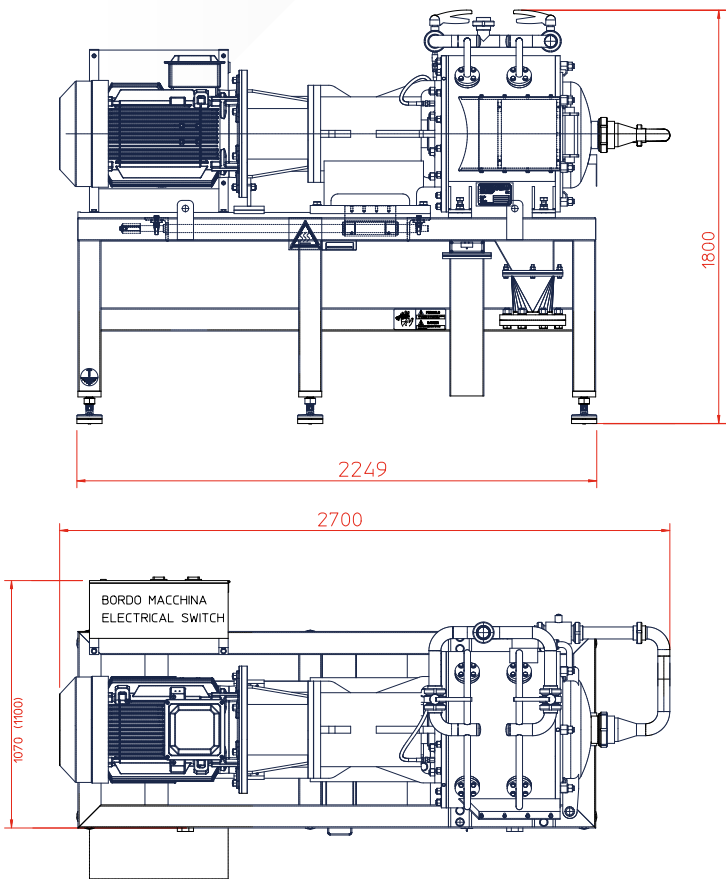
Infeed product	From 35 to 120 t/h
Power installed	From 55 kW to 110 kW
Weight	4000 kg



SHORT REFINERS

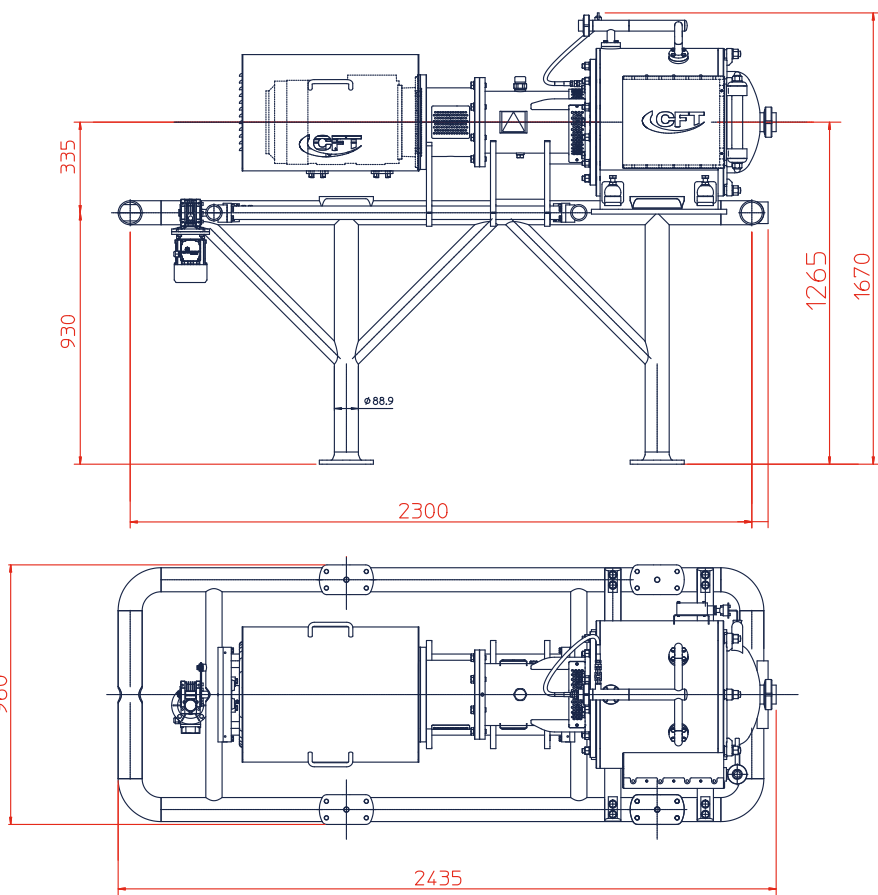
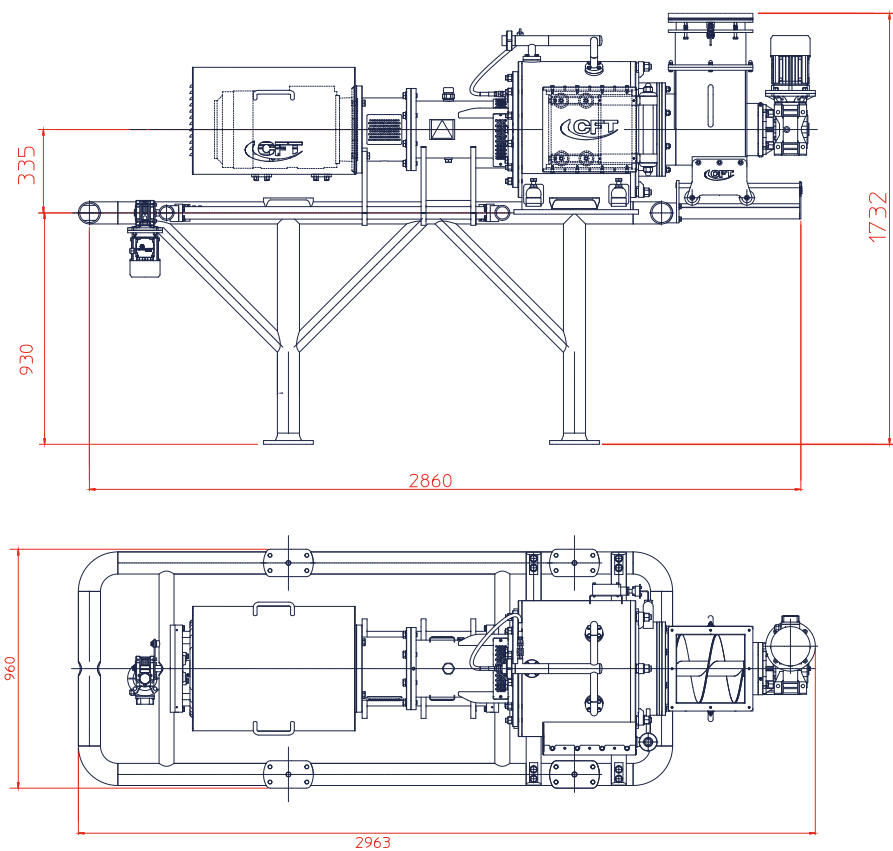
GIUBILEO S55

Infeed product	Up to 10 t/h
Power installed	55 kW
Weight	3000 kg



CONCEPT EXTRACTORS

GIUBILEO E CONCEPT	
Infeed product	Up to 2/3 t/h
Power installed	37 kW
Weight	2000 kg



CONCEPT REFINERS

GIUBILEO CONCEPT	
Infeed product	Up to 2/3 t/h
Power installed	37 kW
Weight	2000 kg





AN **///ATS** COMPANY

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