

The FC Verona Line

2005 Mactavish threshing line and Godioli predominantly the remainder of the equipment. The equipment being offered is in very good condition. PLC software and HMI's have recently been updated, the PLC is old but still supported by Siemens.

Threshing line basic configuration;

- 96" first stage
- 72" second stage
- 60" third stage
- 60" fourth stage
- 60" fifth stage

The line was built for total thresh, no tipping, with feeding of green in C48 cases automatically on an 8 lane feeder/blender. From the feeder/blender the cases are removed and the cakes of green tobacco pass through a slicer and into 4 x 6T silos. From the silos the green tobacco is feed to a small blending silo. From the blending silo tobacco goes to the threshing line.

Line Capacity

The first stage consists of 3 x 96" threshers and 4 x 96" multi-separators with 4 x 48" and 1 x 36" shakers. This first stage thresher configuration puts the threshing line green input design capacity at 7.5T/hr to maximum 8.5T/hr, with a top leaf grade.

If tipping at 25% is considered then the total line capacity would be 10T/hr to 11.3T/hr. However there are other factors to consider such as redrying and packing.

The lamina press is a Godioli twin charger with single main ram, from my experience with a top leaf grade this press would pack a maximum of 28 x 200kg cases per hour which if translated back to green at 65% yield would be 8.615T/hr green input. Low grades this could drop to between 15 and 20 cases per hour as the pressing cycle time would increase to accommodate the style of tobacco.

The redrier and lamina press are sized for the threshing line.

MLTL requirement

MLTL require an additional line of minimum 12T/hr total green input as additional processing capacity to handle 100,000T green in 32 weeks.

The line FC Verona are offering is ideal to upgrade to achieve 12 to 13.3T/hr. The following would be required to upgrade.

Blending/feeding/tipping line

- 3 lines each having 11 feed tables
- Tips conditioning
- Tips classifier
- Tips picking
- Tips screening

Threshing

- 1 x 96" thresher with feeder
- 1 x 96" multi-separator
- 1 x 72" thresher with feeder
- 1 x 72" multi-separator
- Main line screening
- Final sizing screening

Redrying

- Heating zone extension
- Jog section extension
- Cooling zone extension
- Ordering zone extension
- Drive upgrade

Packing

- Twin charger press
- Packing line

By Products

- Stem sizing
- Scrap dryer
- Scrap sizing

Ancillary

- DRF – 50,000 CFM

Equipment on offer from FC Verona

All processing and ancillary equipment

- Processing line complete
- QC equipment
- 2 Gas fired boilers
- 3 Compressors
- Forklifts – quantity to be confirmed
- Forklift clamps – to be confirmed
- Scissor lift – to be confirmed
- Spare parts – to be confirmed

Not all the equipment will be of use to MLTL, so there is opportunity to sell from Italy and recover some of the purchase cost.

Project Cost Estimate

Item	Description	Cost US\$ (excluding duty)
1	FC Verona - processing line complete with ancillary equipment	\$ 2,180,000.00
2	Blending/feeding/tipping line	\$ 380,000.00
3	Tips line	\$ 200,000.00
4	Threshing line upgrade	\$ 600,000.00
5	Lamina dryer upgrade	\$ 200,000.00
6	Packing upgrade	\$ 450,000.00
7	By products	\$ 50,000.00
8	Ancillary	\$ 75,000.00
9	Mechanical and electrical dismantling	\$ 300,000.00
10	Mechanical and electrical refurbishment	\$ 75,000.00
11	Shipping	\$ 380,000.00
12	Site preparation	\$ 15,000.00
13	Mechanical installation	\$ 230,000.00
14	Electrical installation	\$ 250,000.00
15	Travel/accommodation	\$ 120,000.00
	Sub-total	\$ 5,505,000.00
16	Contingency	\$ 275,250.00
	Total	\$ 5,780,250.00
17	Vacuum chamber sale	\$ 100,000.00
18	Slicer sale	\$ 20,000.00
19	Silo sale	\$ 60,000.00
	Total sale - Ex Italy	\$ 180,000.00
	Net project estimate	\$ 5,600,250.00

Project Delivery Estimate

11 to 12 months

Tobacco Processing Line Cost for TIC Application with additions to previous cost estimates

Item	Description	Cost US\$ (excluding duty & tax)
1	FC Verona - processing line complete with ancillary equipment	\$ 2,180,000.00
2	Blending/feeding/tipping/bundle opening	\$ 380,000.00
3	Tips line	\$ 200,000.00
4	Threshing line upgrade	\$ 600,000.00
4.1	Threshing line modification	\$ 150,000.00
5	Lamina dryer upgrade	\$ 200,000.00
5.1	Lamina dryer modification	\$ 30,000.00
6	Packing upgrade	\$ 450,000.00
7	By products	\$ 25,000.00
8	Ancillary	\$ 30,000.00
9	Mechanical dismantling	\$ 800,000.00
9.1	Electrical dismantling	\$ 30,900.00
10	Mechanical refurbishment	\$ 25,000.00
10.1	Electrical refurbishment Panels	\$ 751,900.00
11	Shipping standard HC containers Verona - DAR - Morogoro	\$ 373,000.00
12	Morogoro site dismantling and preparation and civil works	\$ 200,000.00
13	Mechanical installation	\$ 680,000.00
13.1	Mechanical installation materials	\$ 150,000.00
14	Electrical installation	\$ 382,100.00
14.1	Electrical installation materials	\$ 623,000.00
15	Travel/accommodation	\$ 75,000.00
16	HSE	\$ 30,520.00
17	Lawyer	\$ 10,682.00
18	Flooring	\$ 500,000.00
19	Miscellaneous (Scrap, rubbish management, forklift service etc)	\$ 10,000.00
20	Transformer	\$ 66,500.00
21	Power factor correction	\$ 75,000.00
	Total new line	\$ 9,028,602.00
Additional		
Item	Description	Cost US\$ (excluding duty & tax)
	Pre-production staging warehouse - 1000m2	\$ 250,000.00
	Overhead conveyor to new dry warehouse	\$ 2,507,440.00
	Electric forklifts - 4	\$ 148,000.00
	Green storage racks	\$ 2,883,000.00
	Resurface shipping truck park partly and green truck park completely	\$ 787,000.00
	High cube containers	\$ 205,485.00
	CNG Facilities & Boiler conversion from HFO	\$ 150,000.00
	Total additional	\$ 6,930,925.00
	TOTAL Application	\$ 15,959,527.00