



20 a 22 de Junho de 2016 - São Paulo/SP

**GAMBAROTTA**
SRL GMBH
GSCHWENDT

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BULK SOLIDS MECHANICAL HANDLING

**VERBOR**
Engenharia & Serviços
LATINOAMERICANA

GAMBAROTTA APRON FEEDERS: THE HEAVY DUTY SOLUTION

LUCA MASTROROCCO
Area Sales Manager

Realização





97th
ANNIVERSARY

1919 – 2016 YEARS OF WORK AND EXPERIENCE



PRODUCT RANGE

PALLETS LOADING

APRON FEEDERS

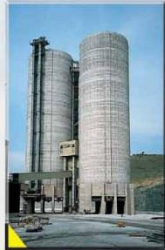
BUCKET ELEVATORS

PAN / BOX CONVEYORS

SCREW CONVEYORS



CR «Canicator» – погрузчик палатизированных материалов
CR "Canicator" palletized materials loader



EVN ленточный ковшевый элеватор
EVN belt bucket elevator



EP пластинчатый питатель
EP apron feeder



TP клинкерный лотковый конвейер
TP clinker pan conveyor



TC клинкерный коробчатый конвейер
TC clinker box conveyor

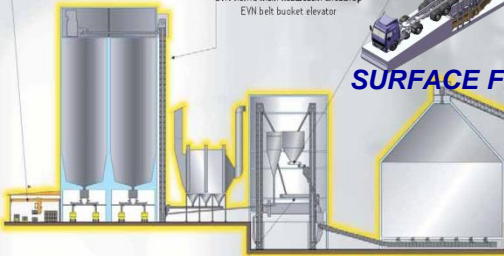


CO винтовой конвейер
CO screw conveyor



EPP высоко-мощный пластинчатый питатель
EPP heavy duty apron feeder

SURFACE FEEDERS



TRS односторонний ленточно-цепной конвейер
TRS single drag-chain conveyor



CV вертикальный винтовой питатель
CV vertical screw feeder



TRD двойной ленточно-цепной конвейер
TRD double drag-chain conveyor



EF устанавливаемый на прицепе экстрактор-измельчитель
EF trailer-mounted milling extractor

"Z" BUCKET ELEVATORS

BELT CONVEYORS

STOCKPILES RECLAIM FEEDERS

VERTICAL SCREW CONVEYORS

DRAG CHAIN CONVEYORS

ROTARY DISCHARGE EXTRACTORS

INDUSTRIAL APPLICATION FIELDS

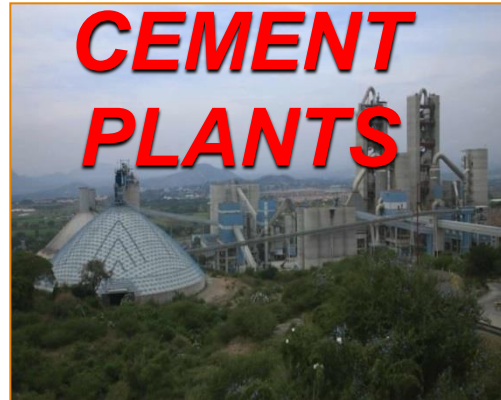
MINING



CHEMICAL



CEMENT PLANTS



POWER PLANTS



STEEL FACTORIES



TARGET: DIVERSIFICATION



TOPIC OF THE DAY

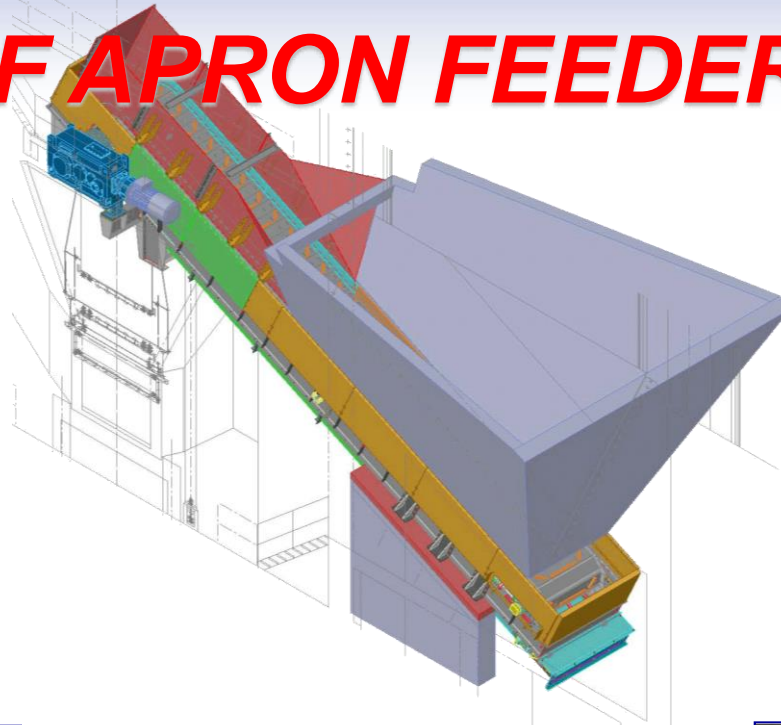
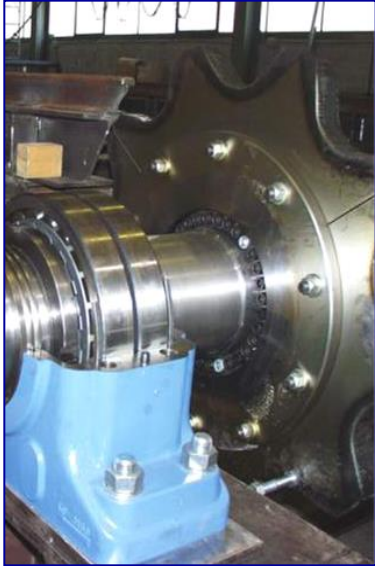
GAMBAROTTA HEAVY DUTY APRON FEEDERS



APRON FEEDERS - EP



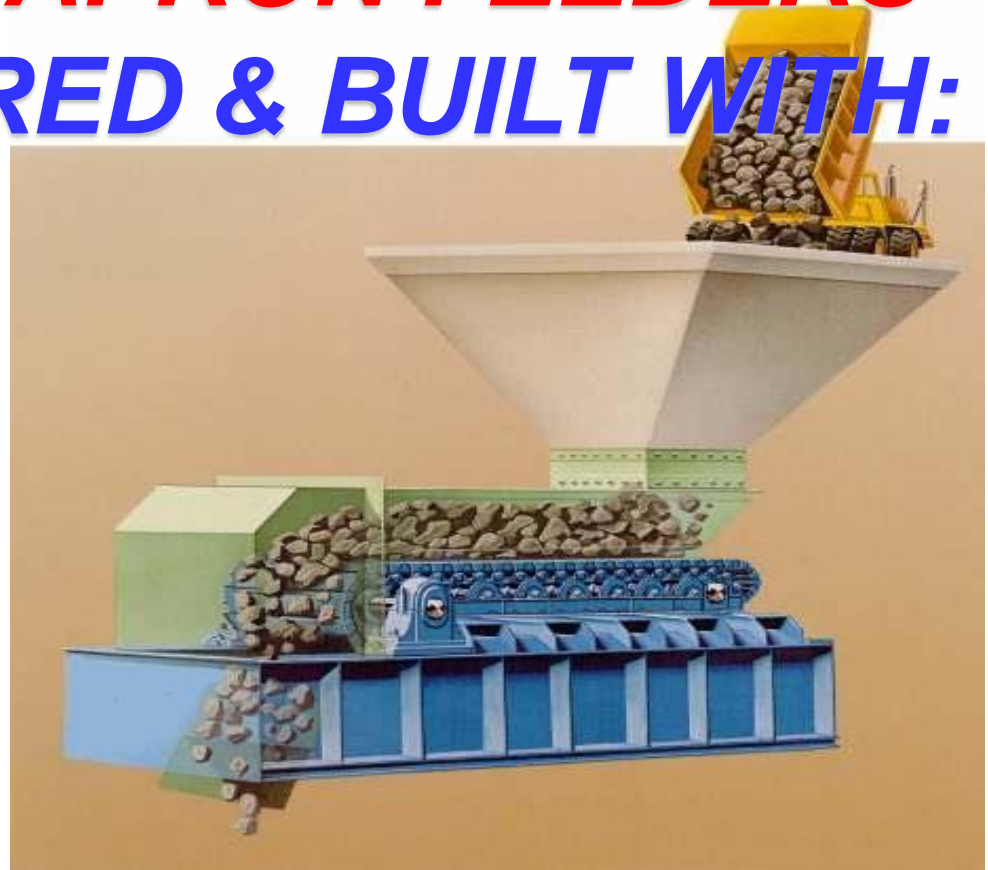
Since 1955 A WIDE RANGE OF APRON FEEDERS



GAMBAROTTA APRON FEEDERS ARE ENGINEERED & BUILT WITH:

A ROBUST DESIGN

***ATTENTION GIVEN TO
MAINTENANCE &
RELIABILITY***



FOR LONG TERM INDUSTRIAL TYPE OPERATIONS

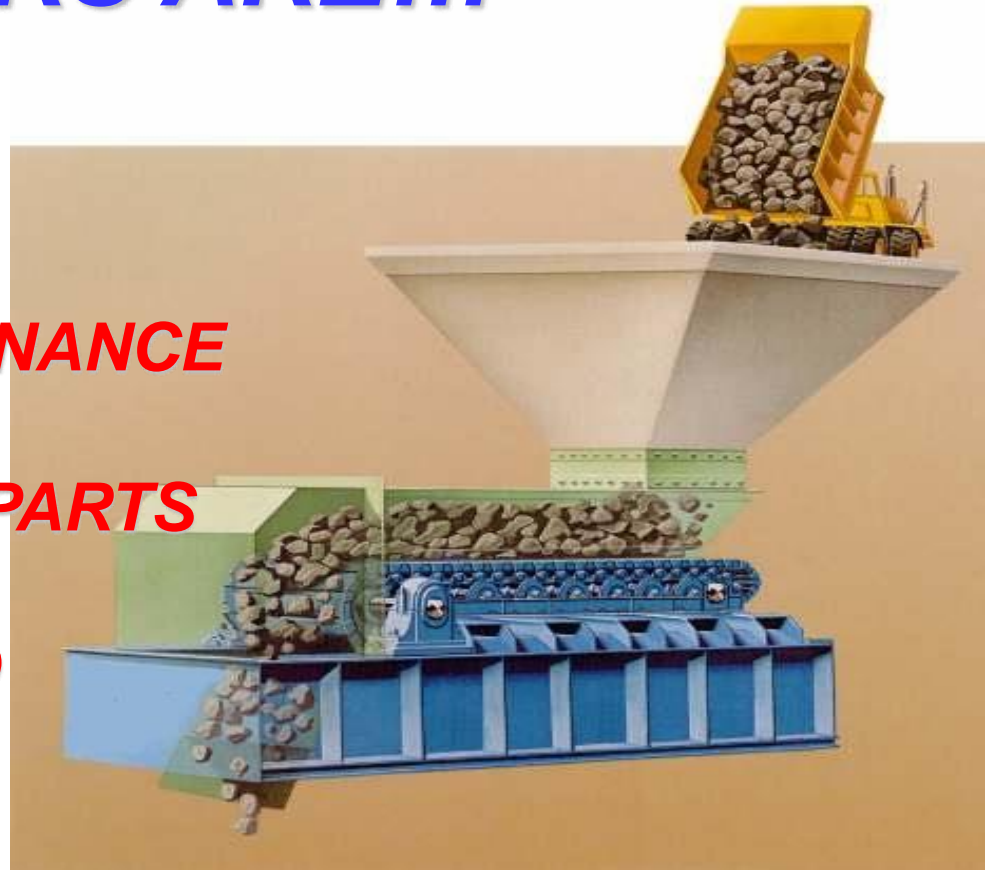
APRON FEEDERS ARE...

MORE RELIABLE

REQUIRE LESS MAINTENANCE

REQUIRE LESS SPARE PARTS

***PROVIDE BETTER FEED
CONTROL***



***ALL OF THESE SAVE OPERATORS MONEY IN
THE LONG TERM***

WHAT IS AN APRON FEEDER ?



***AN APRON FEEDER IS A MECHANICAL FEEDER
USED TO EXTRACT RAW MATERIAL TYPICALLY
FROM DUMP HOPPERS, BINS AND STOCKPILES***

WHY ARE APRON FEEDERS USED ?

***APRON FEEDERS ARE USED TO EXTRACT OR
FEED MATERIALS...***

AT A SHORT DISTANCE

***AT A CONTROLLED RATE OF
SPEED***

***AT EXTREMELY SLOW
SPEEDS***



WHY ARE APRON FEEDERS USED ?

***THE PURPOSE OF A SLOW CONTROLLED RATE
OF SPEED (FEED) IS . . .***

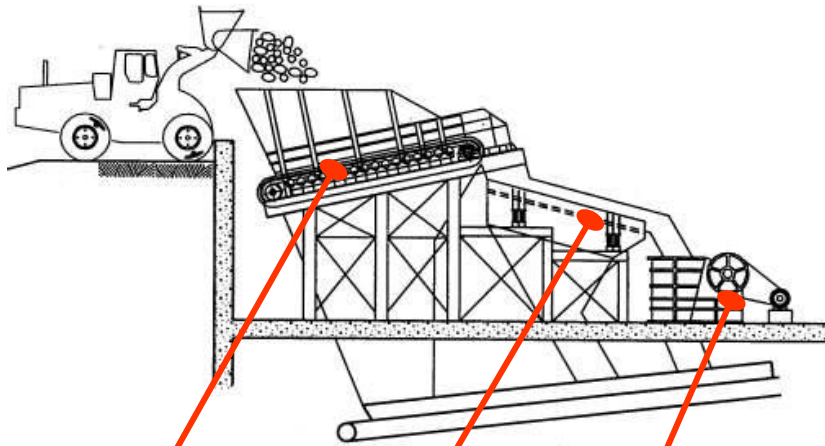
***TO PREVENT CHOKING OF MATERIAL FEEDING
CRUSHERS AND OTHER EQUIPMENT***

***TO RECLAIM MATERIAL AT A UNIFORM RATE
FROM HOPPERS, BINS & STOCKPILES***

***THE NEED TO FEED LARGE LUMPS OF RAW ORE
UNDER SEVERE IMPACT CONDITIONS (LUMP
SIZE UP TO 2500 mm)***

GENERAL ARRANGEMENTS

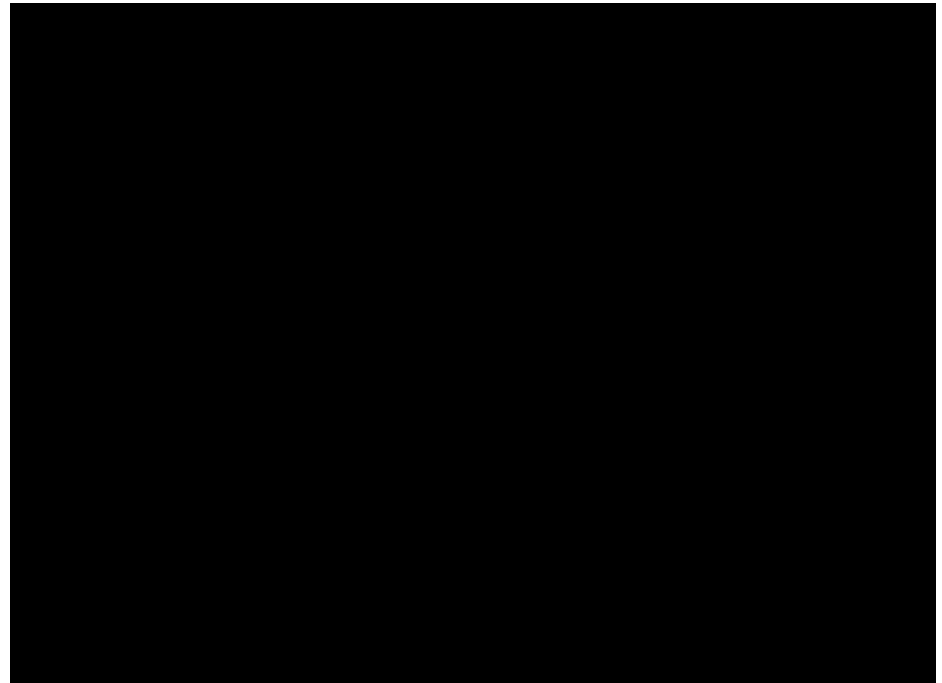
PRIMARY JAW CRUSHER FEEDING



APRON FEEDER

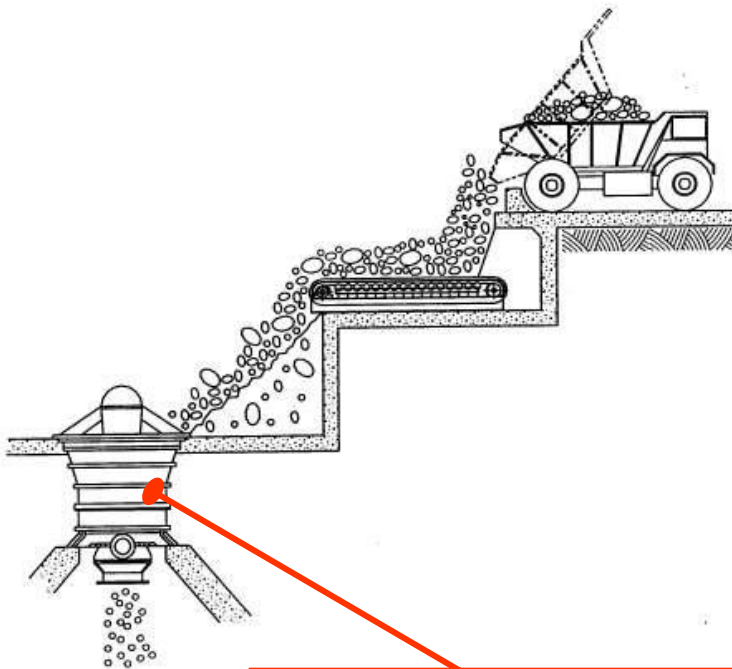
GRIZZLY / WOBBLER

JAW CRUSHER



GENERAL ARRANGEMENTS

PRIMARY CONE CRUSHER FEEDING

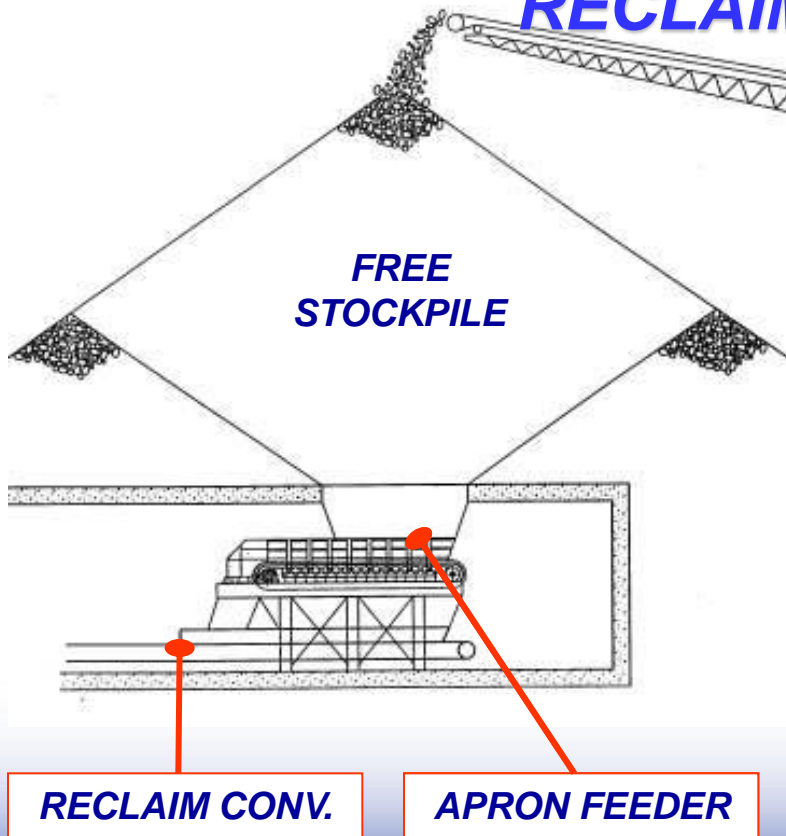


CONE CRUSHER



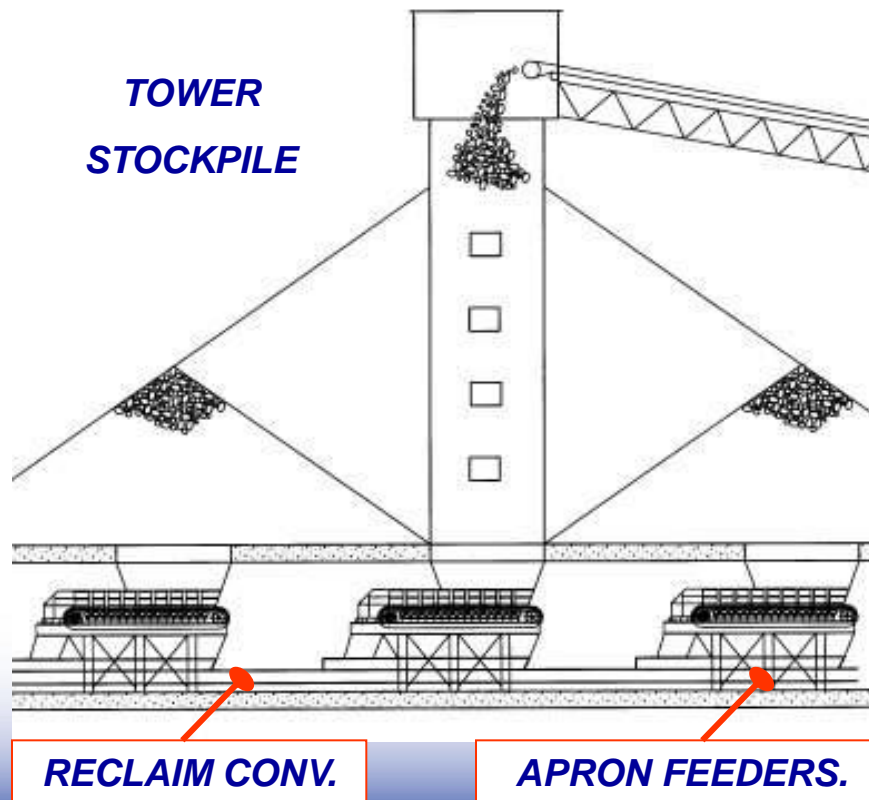
GENERAL ARRANGEMENTS

EXTRACTION OF COARSE MATERIAL FROM RECLAIM STORAGE



GENERAL ARRANGEMENTS

EXTRACTION OF COARSE MATERIAL FROM RECLAIM STORAGE



HEAVY DUTY APRON FEEDER - EP
CAT CHAINS



SINCE 1919

GAMBAROTTA HEAVY DUTY APRON FEEDER



HEAVY DUTY APRON FEEDER - EP
CAT CHAINS



CIPLAN CIMENTO PLANALTO

2500 TPH QUARRY CRUSHER LINE #2

No. 3 HEAVY APRON FEEDERS – CAT CHAINS

VARIABLE SPEEDS/VARIABLE CAPACITIES

No. 3 HOPPERS

No. 3 LIMESTONE QUALITY (A-B-C)

UP TO 1500 mm LIMESTONE GRAIN SIZE

MAIN TARGET: VARIABLE LIMESTONE QUALITY MIX

HEAVY DUTY APRON FEEDER - EP
CAT CHAINS

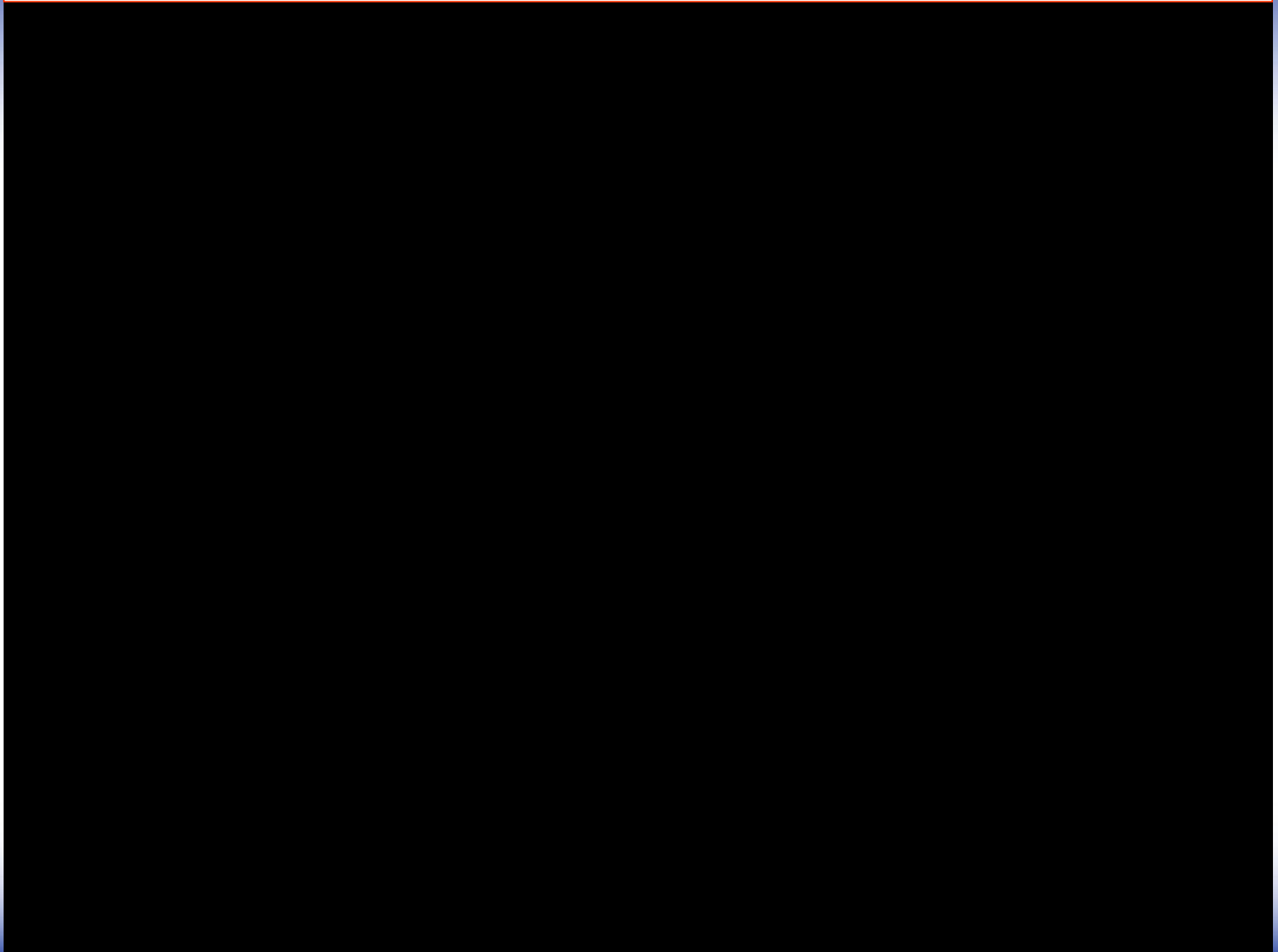


CIPLAN CIMENTO PLANALTO

APRON FEEDERS WITH CAT CHAINS – 2500 TPH QUARRY CRUSHER FEEDING

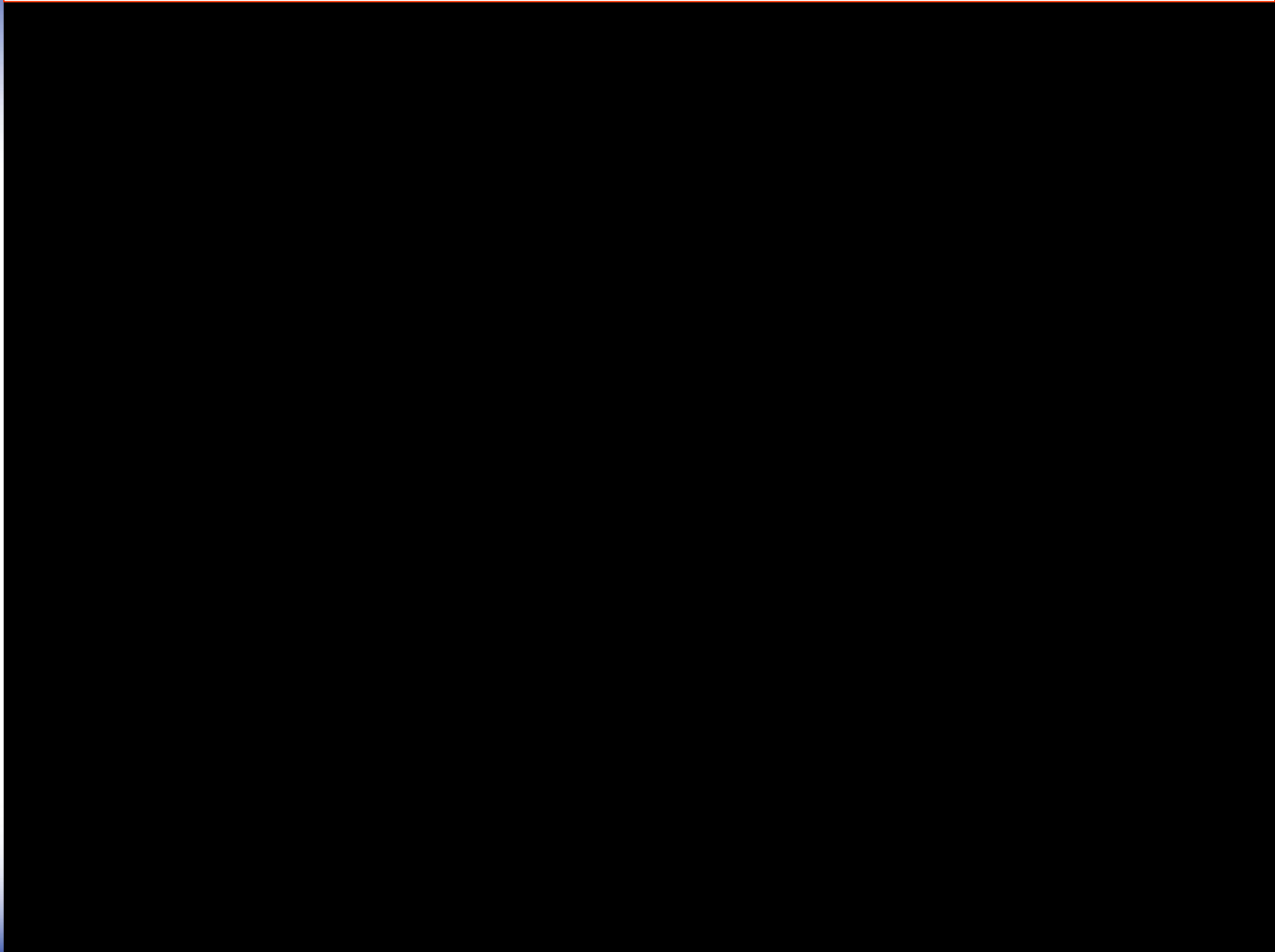


DISCHARGE FROM No. 3 HOPPERS



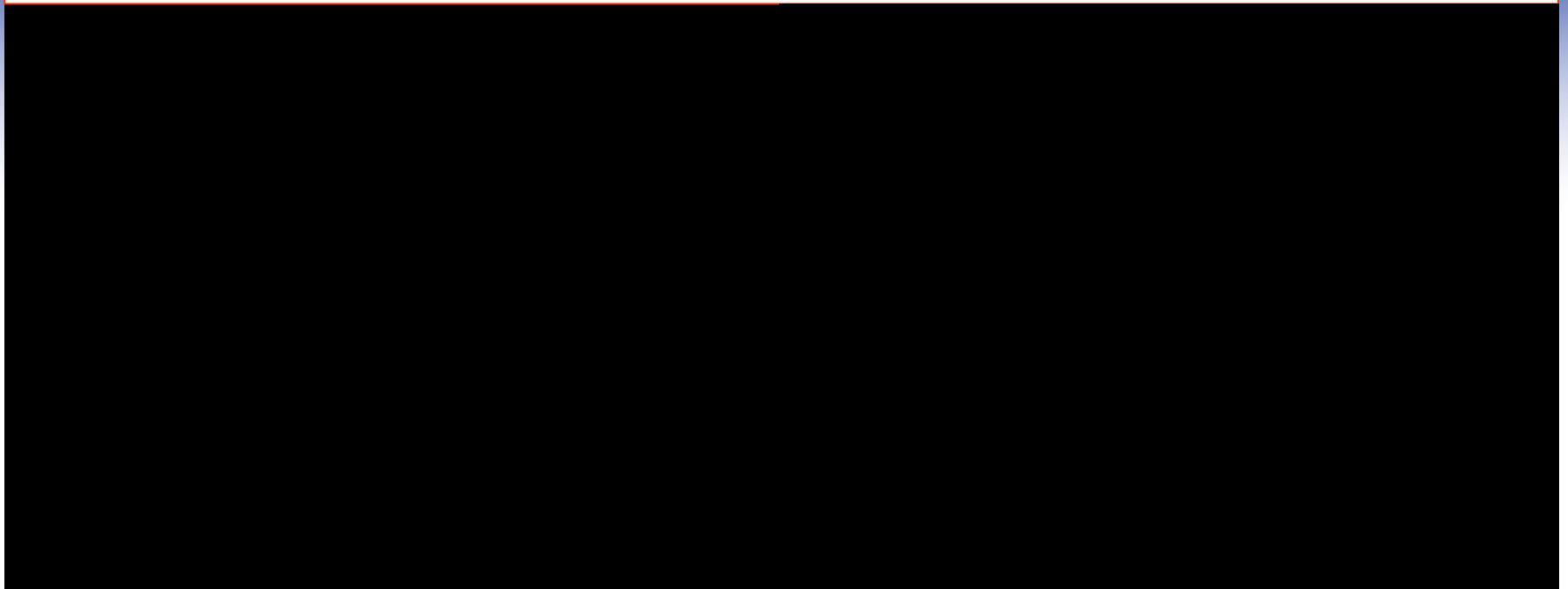
HEAVY DUTY SKIRTS & DISCHARGE WITH LINERS

IMPACT PROOF PANS (350 Kg UNIT WEIGHT !)



CAT CHAINS WITH RETURN ROLLERS ABOARD

AFTER CRUSHER BELT CONVEYOR



2500 TPH BELT CONVEYOR

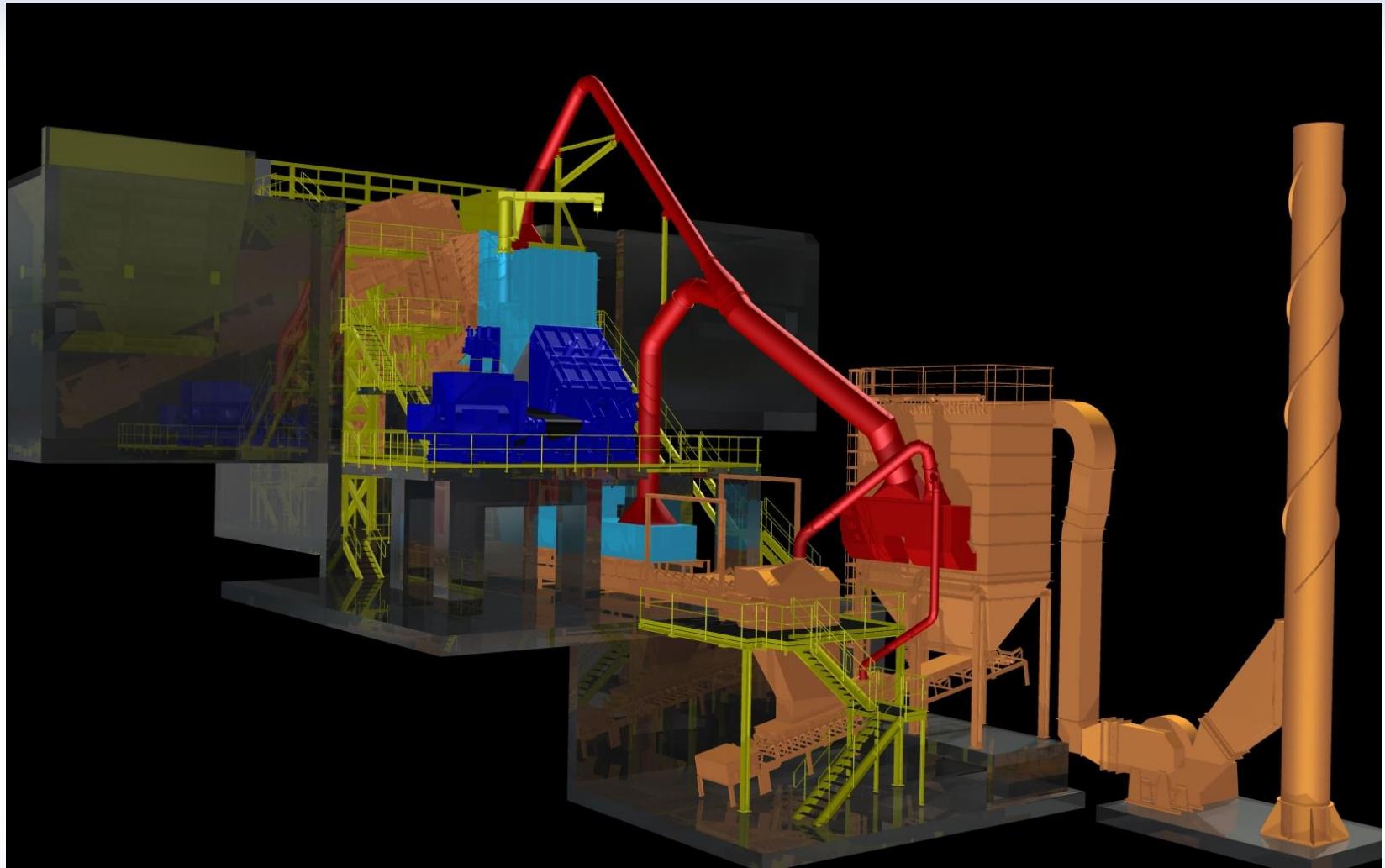
Width: 2800 mm

Speed: 1.8 m/s

Stainless Steel section for Metal Detector operations

GAMBAROTTA ENGINEERING FOR ALL STEEL STRUCTURES

HEAVY DUTY APRON FEEDER - EP CAT CHAINS



HEAVY DUTY APRON FEEDER - EP CAT CHAINS



CONCLUSIONS

Since 2012 a reliable solution for CIPLAN CIMENTO PLANALTO production

APRON FEEDERS with HDD (Heavy Duty Design)

Working continuously since 2012 !

Just try an

***INSTALL & FORGET
EQUIPMENT***



GAMBAROTTA-GSCHWENDT

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Bulk Solids Mechanical Handling