

Faithful & Intelligent Serve Global Pulp & Paper Industry



Agenda

- ABOUT YUNDA
- YUNDA EXPERTS & TECHNOLOGY TEAM
- REFERENCES
- KEY PRODUCTS
- WORKSHOP

YUNDA Brief Introduction

- Zhengzhou YUNDA Paper Machinery Co., Ltd.
- Established in 1981
- Provide production lines for pulp & paper industry and solid waste sorting industry
- 320 employees
- 300 patents
- 1 national standard, 7 industrial standards, 2 group standards

YUNDA Brief Introduction

- Advanced collective for scientific and technological innovation in light industry in the 13th Five-Year-Plan of China
- Chairman unit of Recycled Fiber Utilization Technical Committee of China Paper Society
- 2 Science and Technology Progress Award of China Ministry of Light Industry
- The Mayor's Quality Award
- ISO9001 Certified, CE Certified

YUNDA Products and References

- Recycled Fiber Stock Preparation Line,
93 lines, where 55 lines \geq 600tpd, from 2016 to 2025
- Commercial Pulp Stock Preparation Line,
166 lines, from 2016 to 2025
- CTMP/SCP Line (i-CTMP),
8 lines, from 2019 to 2025
- Approach Flow System,
more than 300 sets
- Wastepaper Bale Breaking and Sorting System,
more than 100 sets



Recycled Fiber Stock Preparation Line



Commercial Pulp Stock Preparation Line



CTMP/SCP Line (i-CTMP)

CTMP/SCP Pilot Trail Service

- CTMP/SCP Pilot Line



Refurbishment of Pressurized Refiner and Other

- Pressurized Refiner
 - RGP 200 series, Valemt / Sunds
 - RL series, Sunds
 - S2070, Andritz
- Drum Pulper
 - Andritz
 - Voith



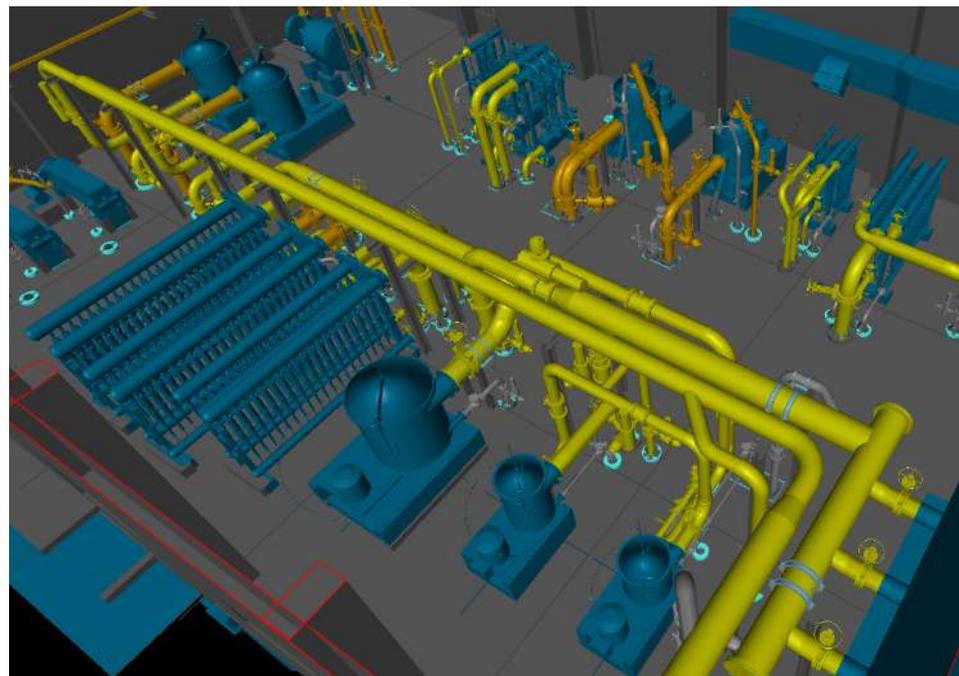
Key Products

- Conveyors
- Bale Breaker
- All Kinds of Pulpers
- All Kinds of Screens
- HD & LC Cleaners
- Double Disc Refiner
- Agitator
- Thickener
- Hot Disperser
- HC Refiner
- Pressurized Refiner
- Steaming Bin
- Plug Screw Feeder
- Softening Tube
- Cyclone Separator
- Reaction Tower
- Screw Press



Services

- Preliminary Consultation
- Project Engineering
- Equipment Supply
- Erection Supervision & Commissioning
- Spare & Wear Parts
- Rebuilds & Upgrades
- Repair & Maintenance



YUNDA Experts, Technology Team



Unveiling Ceremony of Yunda Intelligent Equipment Research Institute

许超 Eric Xu

技术总监、博士、科学家

Technical Director, Ph.D., Scientist



- ❑ 2019–Present – Global Consultant for Technical and Business Development in Pulp and Paper Projects;
- ❑ 1995–2018 – Chief Scientist and Process Technology Director, ANDRITZ R&D Center, USA;
- ❑ 1993–1995 – Industrial Postdoctoral Researcher (Scientist), Millar Western Pulp Ltd., Canada – Chemical Mechanical Pulp (CMP) Mill;
- ❑ 1992–1993 – Postdoctoral Researcher, Center of Excellence Laboratory Project, Department of Mechanical Pulping and Bleaching, Canadian University;
- ❑ Invented and developed the P-RC APMP chemical mechanical pulping process technology and theory;
- ❑ Based on P-RC APMP, further developed advanced chemical mechanical pulping technologies: i-CTMP and its application in bleached chemical mechanical pulp (BCTMP), namely i-BCTMP;
- ❑ Research areas include chemical mechanical pulping (CMP) and chemical, mechanical, and bio-pulping processes for wood and non-wood fibers;
- ❑ Worked in several countries on startup and optimization of various mechanical and chemical mechanical pulp mill systems;
- ❑ Served as keynote speaker at 10 international pulp and paper technology conferences;
- ❑ Conducted online CMP training courses for the Pulp and Paper Technical Association of Canada (PAPTAC) and jointly developed CMP online training programs in China with Zhiqiao Technology;
- ❑ Published nearly 100 technical papers and presentations in international professional journals and conferences;
- ❑ Holds multiple international patents on new chemical mechanical pulping technologies.



Dongji Zhang
BCTMP



Xianqi Sun
BCTMP



Keliang Xu
Packaging Paper



Keliang Xu
Packaging Paper



Keliang Xu
Mechanical



Zuqing Chen
Project Management



Xiaoli Wei
Packaging Paper



Hongyan Wang
Engineering



Xiuxiang Wang
Packaging Paper



Rongqian Deng
Process



Ruili Wang
Process

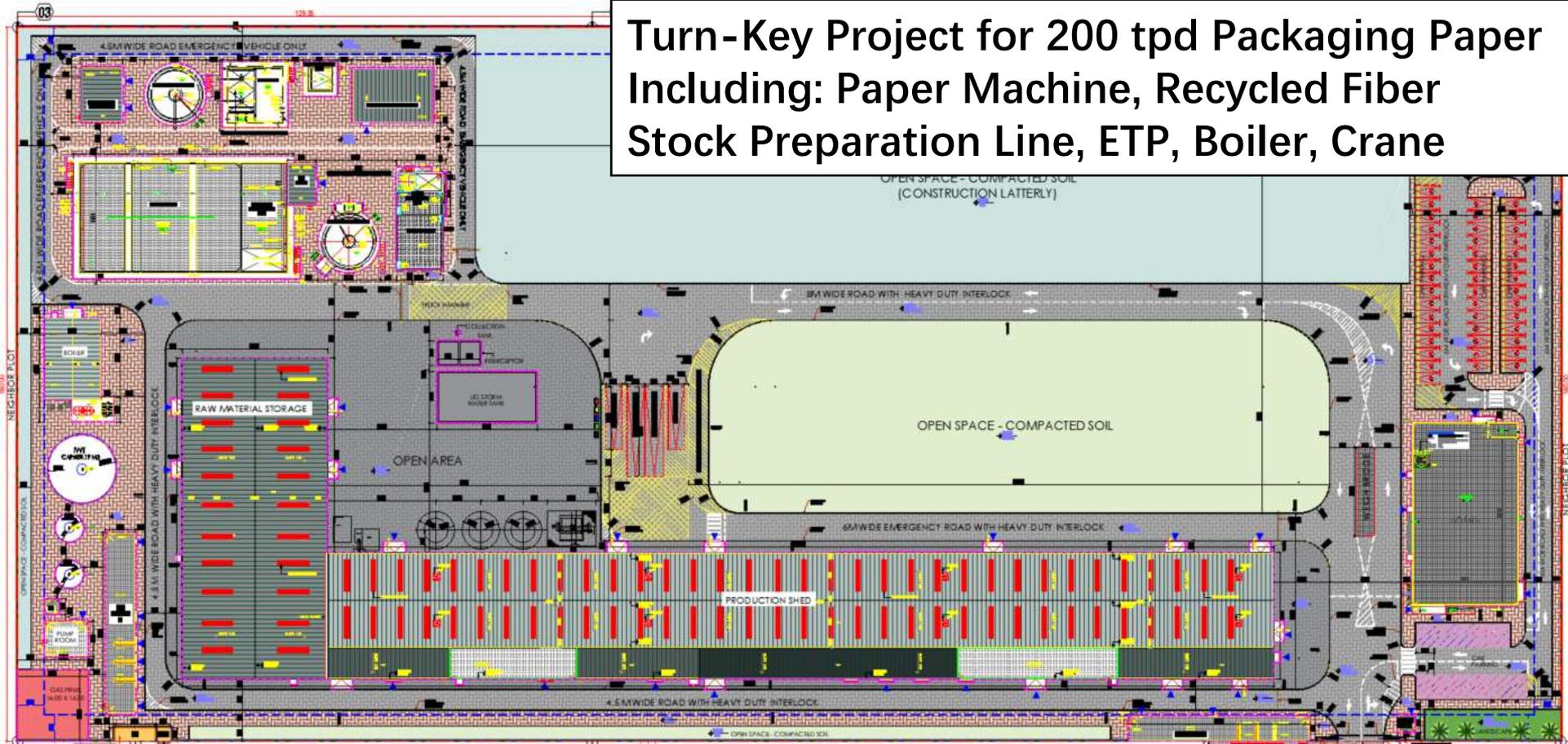
REFERENCES

Jintian (金田) Paper (Jiangsu), 3000tpd,
Recycled Fiber Stock Preparation Line



Scan Paper in UAE

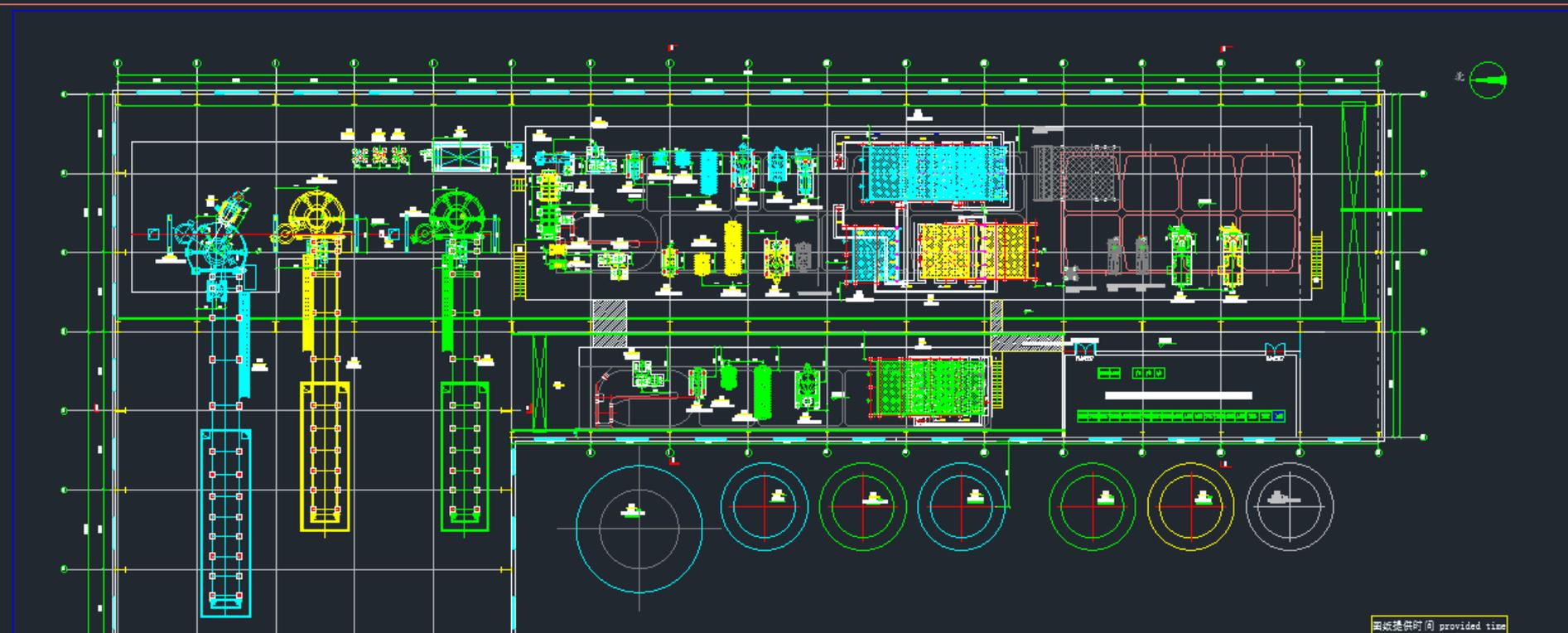
Turn-Key Project for 200 tpd Packaging Paper Including: Paper Machine, Recycled Fiber Stock Preparation Line, ETP, Boiler, Crane



PHP Paper IN BANGLADESH



Turn-Key Project for 500 tpd Recycled Fiber Stock Preparation Line



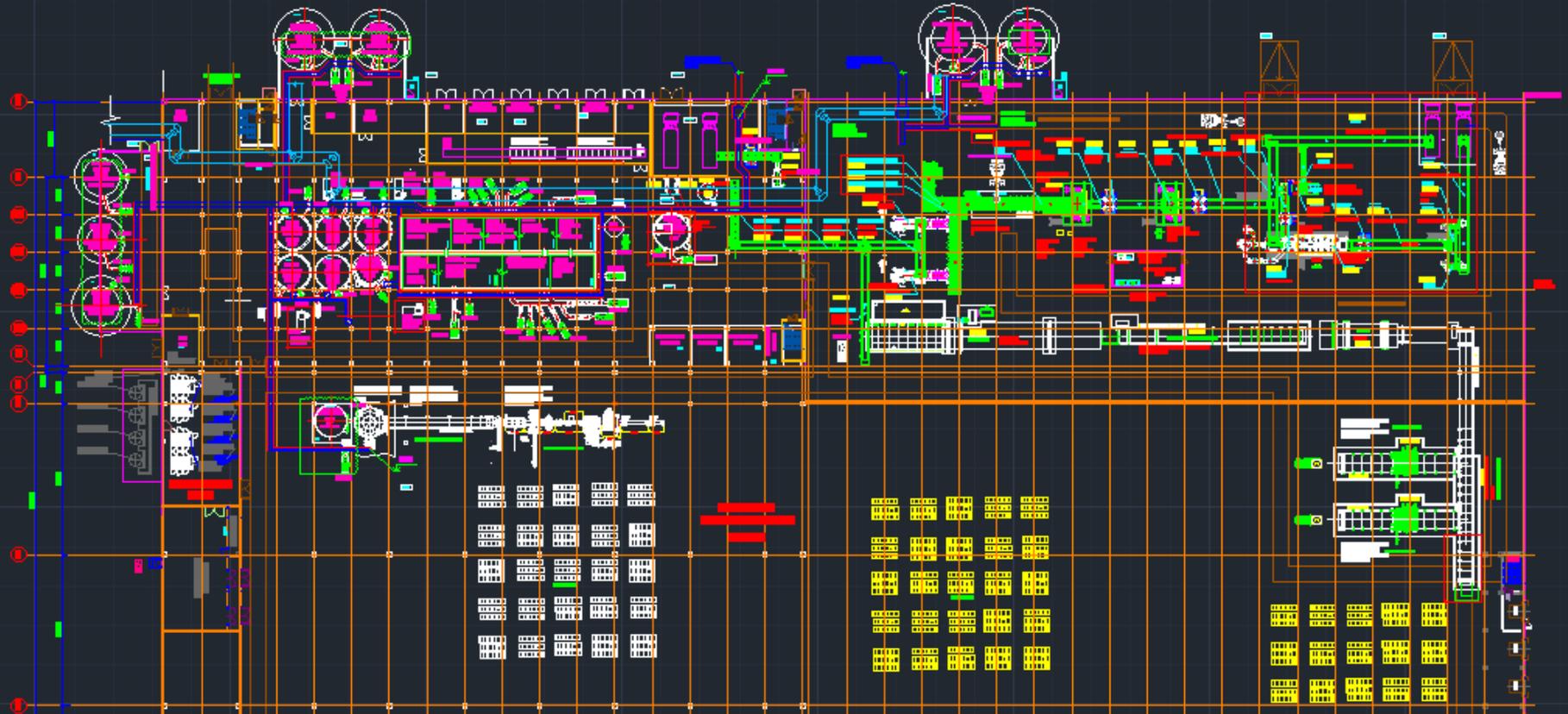
生产设备平面布置图(+5.500m) Production equipment layout (+5.500m)

图纸提供时间 provided time
2023.01.14

CUSTOMER IN RUSSIA



1300 tpd Recycled Fiber Stock Preparation Line



VIETNAM THUAN AN PAPER



VIETNAM HOANG HA PAPER



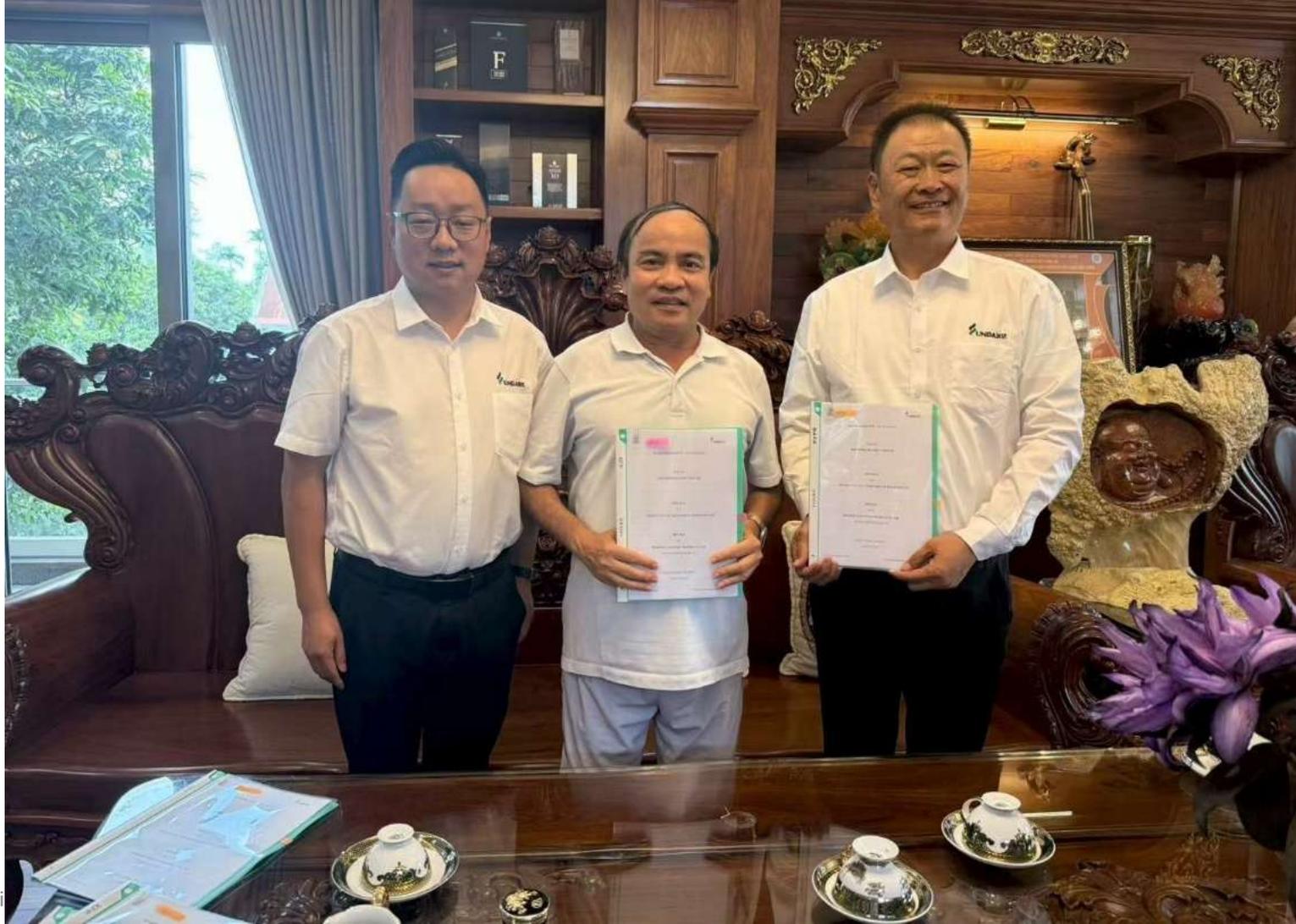
VIETNAM TKC PAPER

SP for
50,000tpa
Packaging
Board Grade





VIETNAM
HOANG VAN
THU PAPER





VIETNAM
QUANG NINH PAPER



VIETNAM
MIZA PAPER





VIETNAM
TAN THUAN PHAT
PAPER





VIETNAM
KOA



VIETNAM
LAMSON
PAPER



VIETNAM
BBP

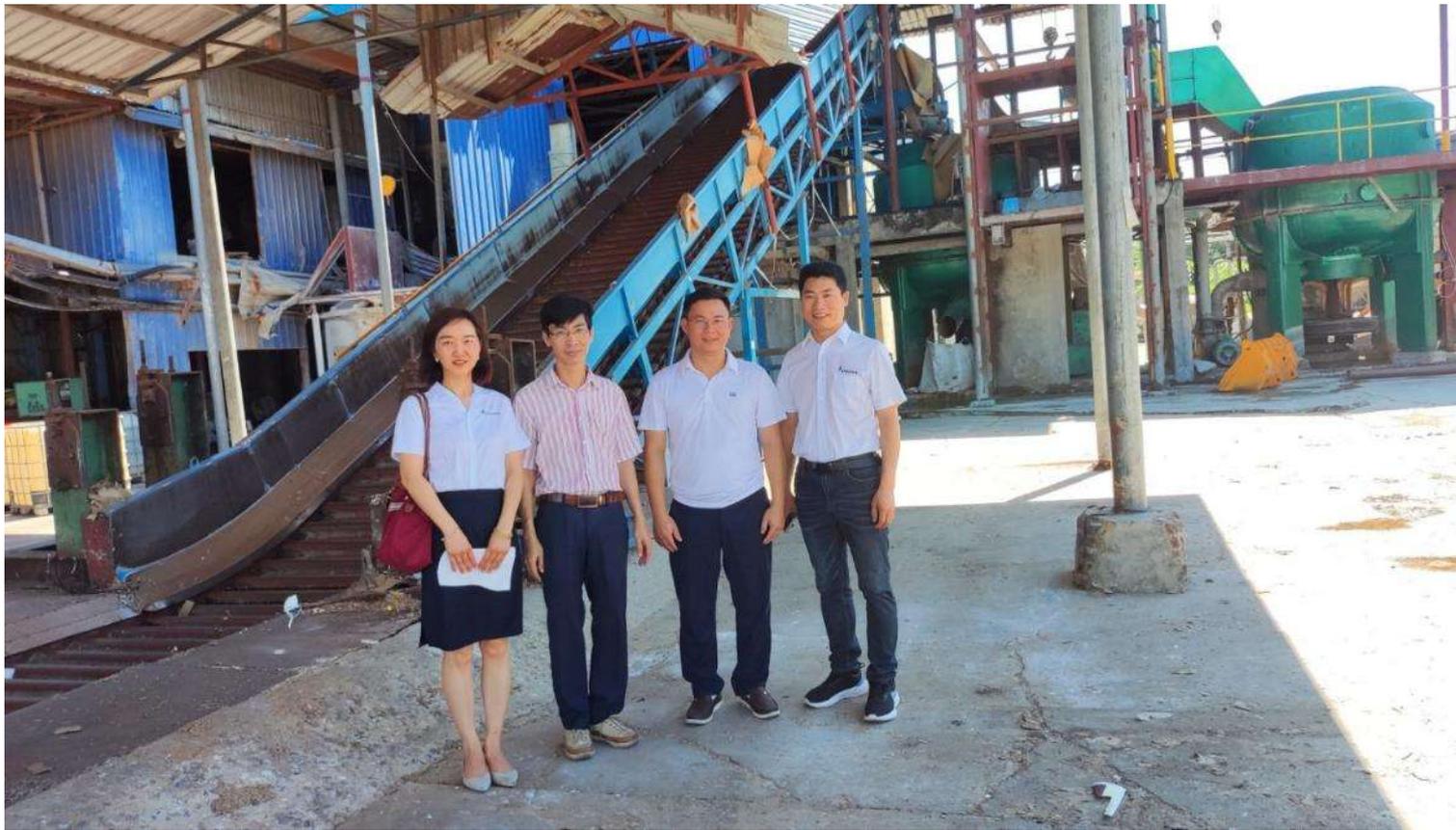


我现在在越南BBP公司OCC制浆生产线

VIETNAM
THANH DUNG PAPER



VIETNAM
VAN DIEM PAPER



VIETNAM
HKB





INDONESIA
APP GROUP



INDONESIA SPS





THAILAND
C.A.S



THAILAND
DOUBLE A



MALAYSIA
MUDA PAPER



JINLONG (金龙) PAPER PM8 in CHINA

Recycled Fiber Stock Preparation Line for 800 tpd Packaging Paper Including 300tpd DIP Line



JINLI (金励) PAPER, 1000tpd, Recycled Fiber Stock Preparation Line



JINTIAN (金田) PAPER (Sichuan) 900tpd Recycled Fiber Stock Preparation Line



LONGCHENG (荣成) PAPER

4 sets of 4000mm dia. Drum Pulper



KEMEI (柯美) PAPER 800 tpd Recycled Fiber Stock Preparation Line



JINZHUANG (金庄) PAPER

800 tpd Recycled Fiber Stock Preparation Line



HUARUN (华润) PAPER 1000 tpd Recycled Fiber Stock Preparation Line



BAOSHI (宝石) PAPER

900 tpd Recycled Fiber Stock Preparation Line



XINGDONG (兴东) PAPER 900 tpd Recycled Fiber Stock Preparation Line





SP & PMA for
100,000tpa
Tissue Grade

LEE&MAN
(理文)
JIANGXI

300tpd
Commercial
Pulp SP & PMA
for Tissue

C&S (洁柔) YUNFU 300 tpd Commercial Pulp SP & PMA for Tissue



中顺洁柔
YUNFU C&S

SP & PMA for
100,000tpa
Tissue Grade

HENGAN (恒安) INTERNATIONAL 200 tpd Commercial Pulp SP & PMA for Tissue



ASIA SYMBOL CHINA

200 tpd Commercial Pulp SP & PMA for Tissue



NUR KAGAZY KAZAKHSTAN 300 tpd Recycled Fiber Stock Preparation Line





PAPIRON PAPER KAZAKHSTAN

100 tpd Commercial Pulp SP & PMA for Tissue



SP & PMA for
25,000tpa
Tissue Grade

SELENGINSK RUSSIA

420 tpd Stock Preparation Line



山鹰纸业

SHANYING PAPER

Line 1: 400 admt/d

Bamboo Fiber i-CTMP

Semi-Chemical Pulping

Line

Scope of Supply:

- Capital Equipment from Chip Bin to Storage Tower;
- Engineering;
- Site Services;

Final Product: Board

Line 2: 400 admt/d

Bamboo Fiber i-CTMP

Semi-Chemical Pulping

Line

Scope of Supply:

- Capital Equipment from Chip Bin to Storage Tower;
- Engineering;
- Site Services;

Final Product: Board

Line 3: 400 admt/d

Bamboo Fiber i-CTMP

Semi-Chemical Pulping

Line

Scope of Supply:

- LC Refining System;
- Engineering;
- Site Services;

Final Product: Board

Line 4: 320 admt/d

Bamboo Fiber i-CTMP

Semi-Chemical Pulping

Line

Scope of Supply:

- Capital Equipment from Chip Bin to Storage Tower;
- Engineering;
- Site Services;

Final Product: Board



▲ Heating Tube



▲ Steaming Bin



▲ LC Refiners



▲ Fiber Cyclone



▲ Thermal Shredder

山鹰纸业 SHANYING PAPER



山鹰纸业
SHANYING PAPER



400 tpd
i-CTMP Semi-
Chemical
Pulping Line



湖北中林 HUBEI ZHONGLIN

Pressurized
Refining for
100,000tpa
Pine Fiber
Mechanical
Pulping Line





Repair of the
50 & 62 inch
Sunds
Pressurized
Refiners



山东天和
SHANDONG
TIANHE

Repair of the
Andritz
Pressurized
Refiners



Repair of the
Andritz
Pressurized
Refiners
SD62
Drop-in Unit



山东天和 SHANDONG TIANHE



Rebuild for
230tpd BCTMP
Line
(for high Bulk
with Poplar)

Yunda replaced the whole Impregnation System with MSD by Yunda Thermal Shredding System,
After Rebuild: Bulk Remains the same as $> 3.1 \text{ cm}^3/\text{g}$, SEC was reduced for 250kWh/ton;

KEY PRODUCTS



Slat Conveyor

Features

- **Reliable**
- **Easy maintenance**



No.1 Market Share in China 500+ References

- Nine Dragon
- Sun Paper
- Andritz
- Daoqin Paper
- Century Sunshine
- Lee&Man Paper
- Krishna Paper
- Tiger Forest & Paper
- Century Sunshine
- Huatai Group
- PT.Pelita Paper
- PT.Grace Paper
- Yinge Group
- PT.PABRIK Paper
- NBM
- Zhengtai Holding
- Huafeng Paper
- Jianhui Paper
- Muda Paper Mills Sdn
- Baoshi Paper
- Kanghua Paper
- Kemei Paper
- etc.

Bale Breaker

Features

- Improve efficiency
- Improve product quality
- Improve working environment
- Reduce labor, power, maintenance cost



**Yunda is:
Inventor
Drafting Unit of Industry Standard
Having 80% Market Share in China**

200+ References

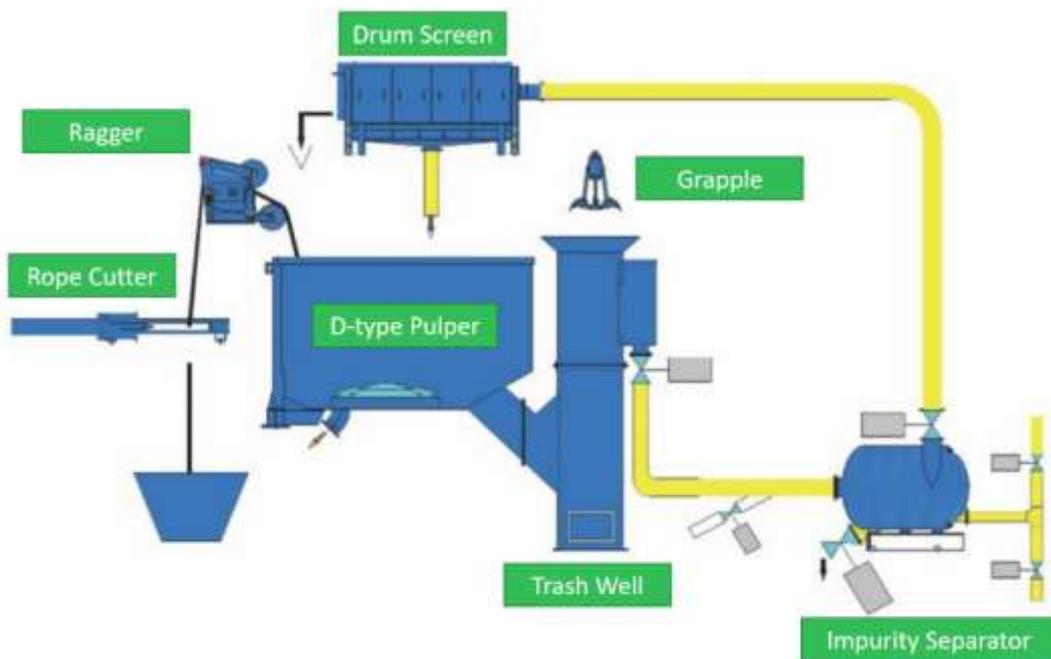
- Nine Dragon Paper
- Lee&Man Paper
- Sun Paper
- Jianhui Paper
- Century Sunshine
- Zhengtai Group
- Tiger Forest & Paper
- Qiangwei Paper
- Jindong Paper
- Chunsheng Paper
- Hengxing Paper
- Gaoyang Paper
- Yinge Paper
- Guihe Grope
- Shiyan Paper
- Huawang Paper
- Dingding Paper
- Khanna Paper
- Mehali Paper
- etc.

D-type Pulper

Features

- Continuous pulping
- Integrate with auxiliaries

References



- Jintian Paper
- Baoshi Paper
- Dongda Paper
- Xingdong Paper
- Modern Paper
- Xunyuan Paper
- Xiangling Paper
- Jinchang Paper
- Fengxiang Paper
- PKP
- Zhaolong Paper

- NCP
- Huafeng Paper
- Dongshengxiang Paper
- Huaqiao Paper
- Sanqiao Paper
- Feida Paper
- TKC
- Mitra Paper
- IPIS Paper
- etc.



Medium Consistency Pulper

- ▣ For the Pulping of Commercial Pulp Boards;

High-consistency Pulper

Features

- Old Tetra Pak
- Paper cup scrap
- DIP



Drum Pulper

Features

- Gentle pulping
- Energy saving
- Continuous reject
- Low maintenance cost



203 References

- Φ4250 model 2 set (Lulin 1, Russia 1)
- Φ4000 model 13 sets (Longchen 4, Jintian 8, ...)
- Φ3750 model 32 sets (Mehali 1, Jintian 1, ...)
- φ3500 model 39 sets (CAS 1, Jintian 2, ...)
- φ3250 model 45 sets (Jindong 2, Haiwang 2, ...)
- φ3000 model 32 sets (Dongda 1, Hongsheng 1, ...)
- φ2750 model 28 sets (Jintian 1, Gaoyang 1, ...)
- φ2500 model 12 sets (Daoqin 1, Lingtai 1, ...)

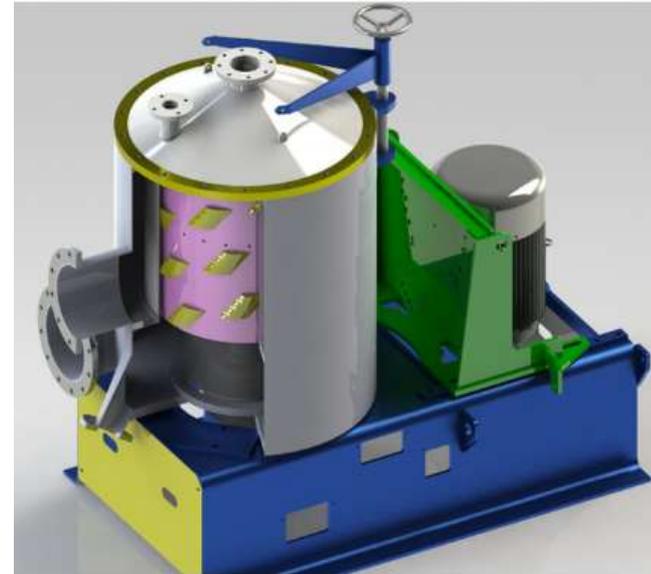
Super Screen

Features

- Scientific fluid mechanics
- Modular structure design
- Optimal rotor design
- Energy saving



Structure



Mid-consistency Pressure Screen

Features

- High efficiency, long lifetime
- Low water/power consumption
- Low investment cost
- Low maintenance cost



References

- Jintian Paper
- Yinge Group
- Xinya Group
- Cailun Paper
- Baoshi Paper
- Hengfa Paper
- Hongyuan Paper
- Kemei Paper
- Zhongqiao Paper
- Huafeng Paper
- Dongsheng Paper
- Xiangling Paper
- Huayuan Paper
- Modern Paper
- Guangming Paper
- Rongcheng Paper
- etc.

Tail Screen

Features

- Less fiber loss
- High efficiency
- Energy saving



Machine Screen

Features

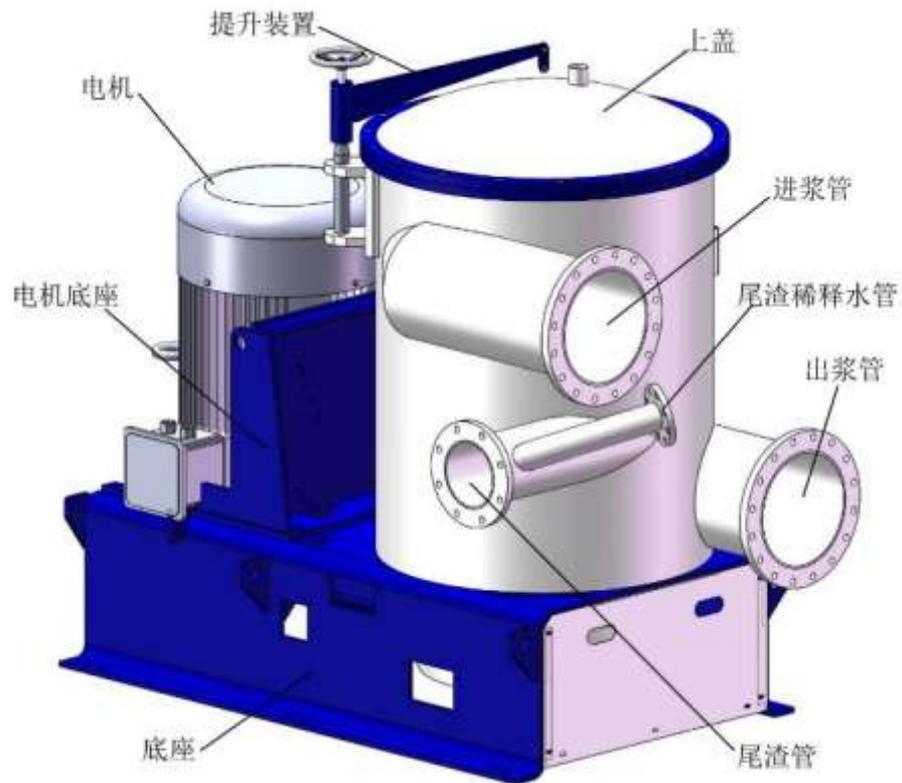
- High throughput
- Low power consumption
- Highly polished inner surface
- Low pulse



References

- APP(Golden Hongye)
- Huatai Group
- Minfeng Speciaty
- Yinge Paper
- Guitang Paper
- Hengfa Paper
- Quanlin Group
- Xinya Group
- Xingtai Paper
- Dongsheng Paper
- Yinzhou Paper
- Kanghua Paper
- etc.

Knotter Screen



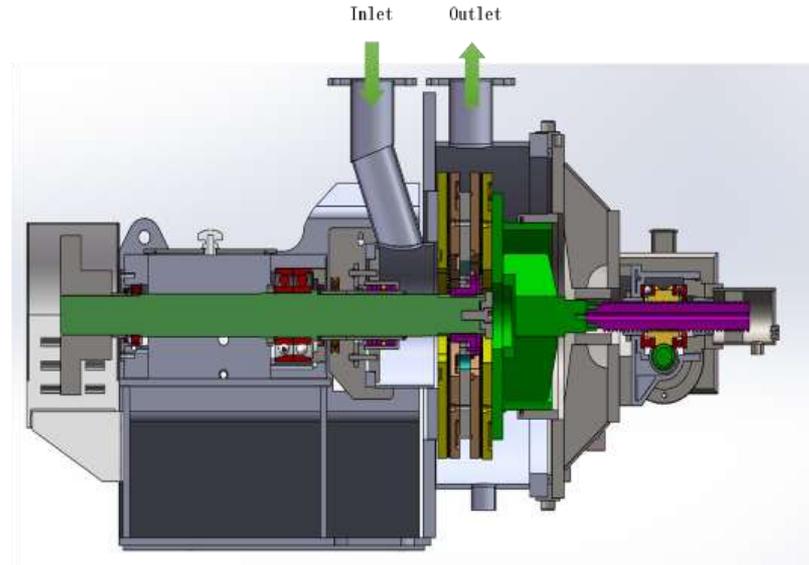
Double Disc Refiner

Features

- For all kinds of pulp
- Replacing European equipment
- High efficiency
- Easy maintenance



Structure



HC Refiner



HD Cleaner

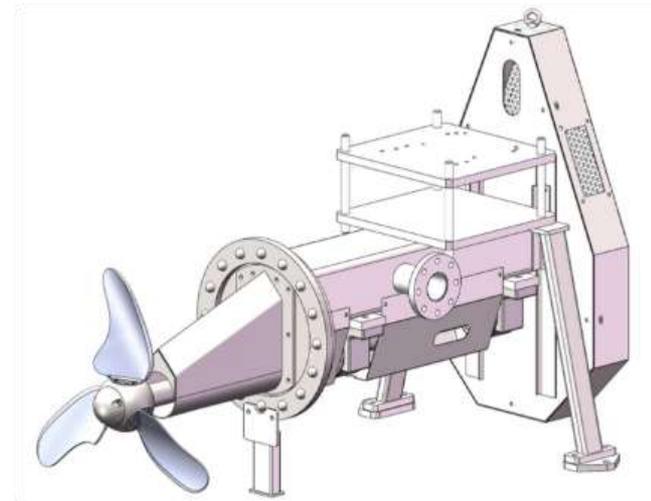


Agitator

Features

- For all kinds of application
- Adjustable impeller
- Easy maintenance

Structure



LC CLEANER

- ❑ Higher operating reliability at high consistency;
- ❑ High cleaning efficiency;
- ❑ Less fiber loss;
- ❑ Savings in space;
- ❑ Reduced energy consumption for pumping;
- ❑ Saving additional investment costs for pumps and drives, piping and control equipment;



Feed & Accept
Manifold

Feed Head &
Accept Pipe

Body

Cone

Reject Pipe

Reject Cup with
Shower Nozzle

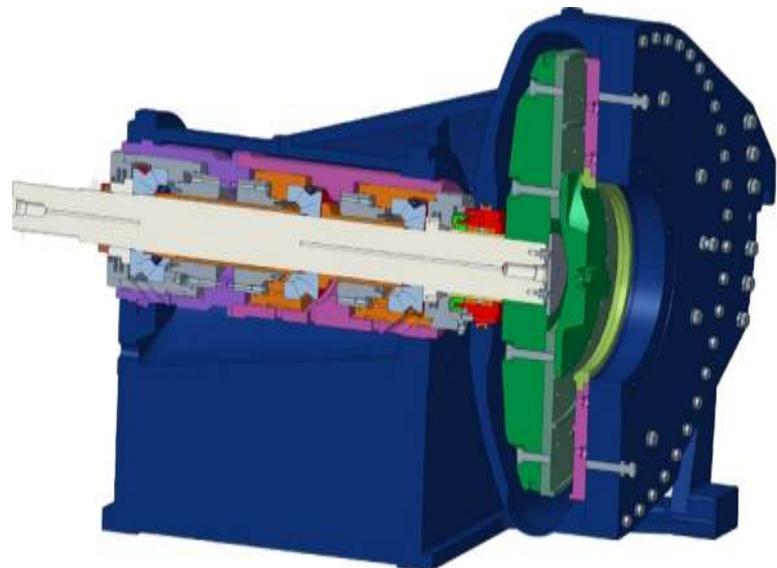
Flushing
Water Pipe

COMBI-SCREEN

Combined screening separates heavy reject and light reject effectively, which will improve efficiency



High Consistency Refiner



- 高转速、大功率、高温（高压/常压）；
- 机械结构、液压、控制系统；
- 材料特殊处理、耐磨、耐腐蚀等；
- 轴承、机械密封、伺服阀均为高端配置产品；
- 高装配环境要求（无尘车间）、装配工艺要求

SIDE ENTRY FEEDING SCREW & RIBBON FEEDER



PLUG SCREW FEEDER



Steaming Bin



FIBER CYCLONE & PLUG SCREW DISCHARGER



Other Products



Float purger



Fiber separator



Reject sorter



Vibrating screen

Other Products



HC discharger



Sand-Water Separator



Knotter



Disc filter



装配车间
Assembly
Workshop





机加车间
Machining
Workshop





铆焊车间
Welding
Workshop





备料车间
Material
Preparation
Workshop

Thank You

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youtube.com/@yundapapermachinery1981