



G U A N G Z H O U
SMART
广州司迈特进出口有限公司

GUANGZHOU SMART MACHINERY

**We Bring
Intelligent Glue Making
For Corrugated Board**



What we focus on

1

**Improve
glue penetration
and
adhesive quality**

What we focus on

2

Efficiently use the starch,
And no wastage



月份	淀粉领用量合计 (吨)	原纸领用量合计 (吨)	吨纸耗用淀粉	含片碱、硼砂吨纸耗用
2023年11月	200.55	12935.09	15.5044	16.019
2023年12月	236.11	15490.45	15.2426	15.774

Our solution is

**We Bring
Intelligent
Glue Making
For Corrugated
Board**



**高效·智能·零排放
全自动制胶机**

- **Advantages**

Quality

- 1. Prove accuracy within 1S – Excellent Stability of glue viscosity.**
- 2. Quality unchanged overnight – Thorough Gelatinization extend glue lifetime.**
- 3. Keep stable after years' working – Advanced viscosity stability control.**

- **Advantages**

Making

- 4. Ultra easy** – Non formula glue making, only input basic requirements, fully automatic glue making.
- 5. Pretty glue** – Servo control for glue making, ensuring even and delicate glue.
- 6. Unattended** – Data auto upload, easy for management.
- 7. Remote assistance** – Online upgrade, debug, and maintenance, free from worry. (Optional)

- **Advantages**

Benefits

- 8. Significant saving on starch** – Taking corn starch as an example, in making 5-layer boards, for each ton of paper, the average amount of starch is less than 18kg.
- 9. Significant increasing on production** – Speed up highly with good bonding effect.
- 10. Eco friendly** – Zero emission via washing water recycling, stop the paying on environment protection.



环保零排放智能制浆循环系统

Environmental Zero Emission Intelligent Pulping Circulating System



Main Glue Kitchen



- 1. We prove accuracy within 1S.**
- 2. Servo control to make delicate glue**
- 3. One step or two step method available**
- 4. Data upload for management**

Setting Interface

- Non formula method,
Only need to set:
1. Glue quantity
 2. Heating temperature
 3. Viscosity
 4. Gelatinization temperature
 5. Water Starch ratio



Glue making Report

1. Glue accuracy within 1S.
2. Daily report

主罐报表

序号	时间	班次	设定粘度	*实际粘度	*设定总重	*实际
1	2021-11-27 10:52	1 Class	14.0 s	14.4 s	1962.8 kg	1984.
2	2021-11-27 10:00	1 Class	11.0 s	10.4 s	1883.5 kg	1931.
3	2021-11-27 01:52	1 Class	14.0 s	14.0 s	1904.5 kg	1957.
4	2021-11-27 01:00	1 Class	14.0 s	14.8 s	1962.8 kg	1991.
5	2021-11-26 23:44	1 Class	11.0 s	11.8 s	1883.5 kg	1935.
6	2021-11-26 18:30	1 Class	14.0 s	14.6 s	1964.3 kg	1982.
7	2021-11-26 17:32	1 Class	11.0 s	11.2 s	1883.5 kg	-1923.
8	2021-11-26 16:21	1 Class	11.0 s	11.4 s	1883.5 kg	1931.
9	2021-11-26 15:21	1 Class	14.0 s	14.8 s	1904.5 kg	1950.
10	2021-11-26 14:18	1 Class	14.0 s	13.4 s	1964.3 kg	1982.
11	2021-11-26 13:30	1 Class	11.0 s	11.8 s	1883.5 kg	1931.
12	2021-11-26 11:41	1 Class	14.0 s	14.6 s	1964.3 kg	1987.
13	2021-11-26 10:45	1 Class	11.0 s	11.6 s	1883.5 kg	1921.
14	2021-11-25 23:58	1 Class	14.0 s	13.5 s	1904.5 kg	1954.

Saving starch we prove

- We prove: Significant saving on starch - Taking corn starch as an example, in making 5-layer boards, for each ton of paper, the average amount of starch is less than 18kg.
- Reference: Common starch consumption before upgrading:
>22kg/ton paper

Calculation

- Suppose 100 ton paper/day
- Starch consumption from 22kg \rightarrow 18kg/ton paper
- Suppose Starch price about RMB4000/ton

- 1 ton paper save 4KG Starch ($4 \times 4 = \text{RMB } 16$)
- 100 ton paper save 400KG Starch ($400 \times 4 = \text{RMB } 1600$)

- Save per day: RMB 1600
- Save per year: RMB 1600 * 300 days = RMB 480,000 (base on 4KG Starch saving)

**Thanks for customers'
acknowledgement**

Thanks

