



High quality, low cost

with lineator roll adjustment and roll slip measurement

By:

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Sales manager central & eastern Europe



Who is CPM

California Pellet Mill since 1883

New

Roskamp/Champion 1989

Beta Raven 2002

TYPE OF BUSINESS:

EQUIPMENT FOR PELLETING , PARTICLE
SIZE REDUCTION,

MAIN OFFICE BASED IN:

USA

ANNUAL TURNOVER

Over € 150 Million

TOTAL NUMBER OF EMPLOYEES:

over 350





CPM worldwide

MANUFACTURING SITES

- MERRIMACK / USA
- CRAWFORDSVILLE / USA
- WATERLOO / USA
- ST LOUIS/USA
- AMSTERDAM / EUROPE
- SINGAPORE / ASIA
- WUXI/ CHINA

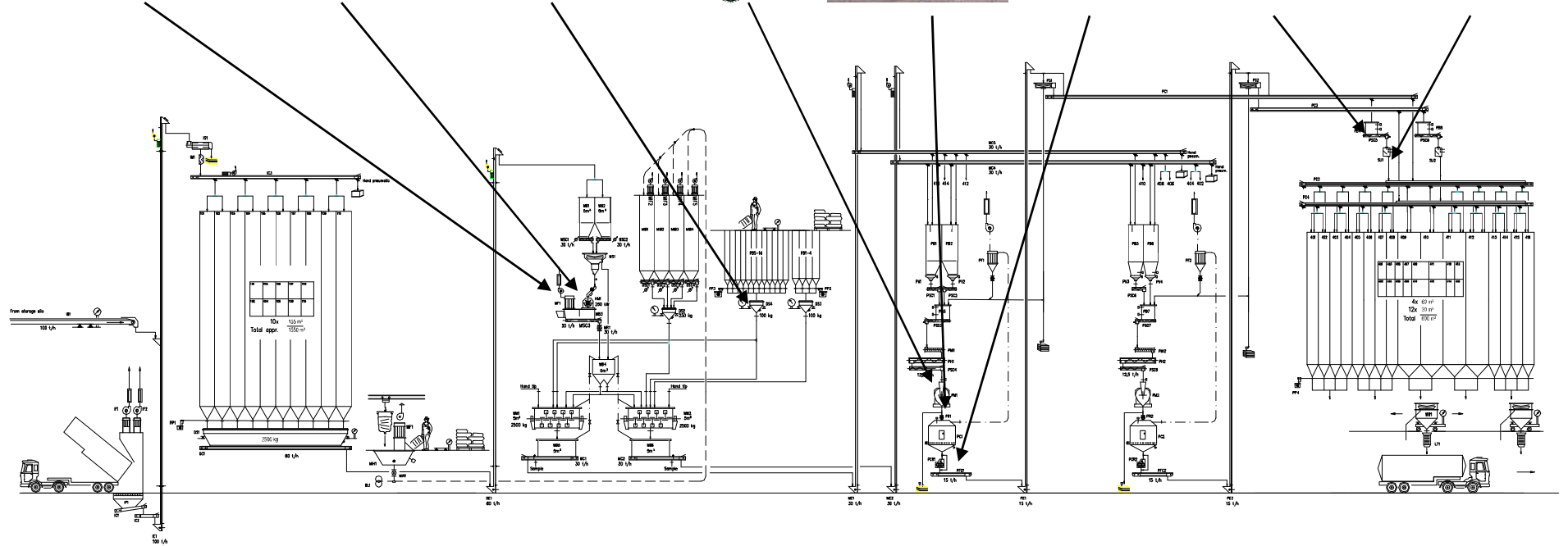
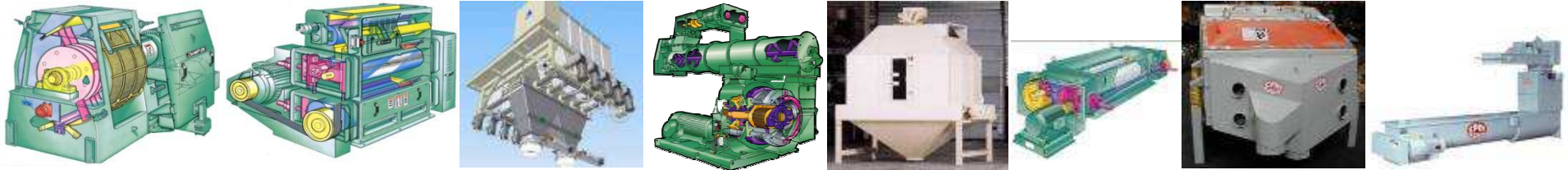


TRADE REPRESENTATIVES

- OVER 50 OFFICES COVERING AMERICA, EUROPE, ASIA, AFRICA AND AUSTRALIA



Where would you see the CPM logo in a feedmill?

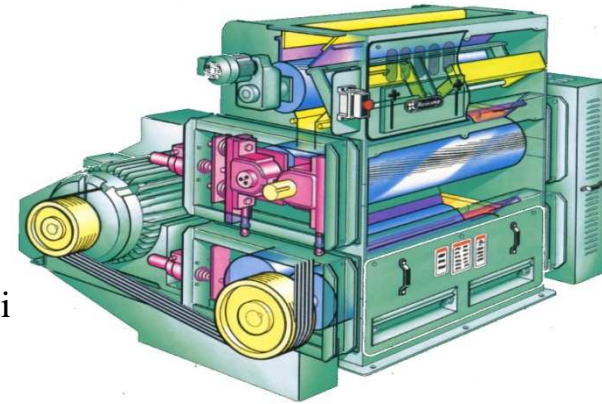


~~Material intake~~ ~~dosing weighing~~ grinding micro/macro dosing ~~mixing~~ conditioning- pelleting-cooling sifting- ~~storage outloading.~~

Where to save money? There were you spend it!

- **Grinding**

---Increase efficiency by means of roller mill grindi



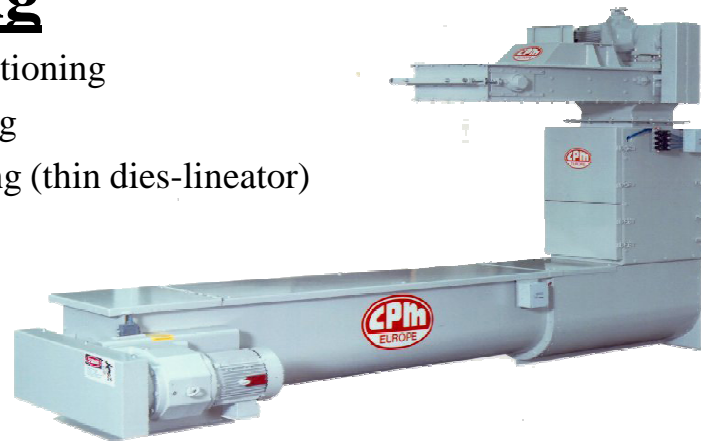
Roller mill

- **Pelleting**

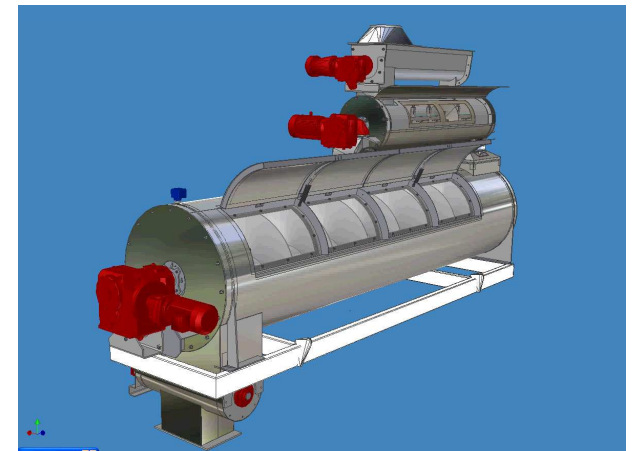
---- Long term conditioning

---- Fat after pelleting

---- Efficient pelleting (thin dies-lineator)



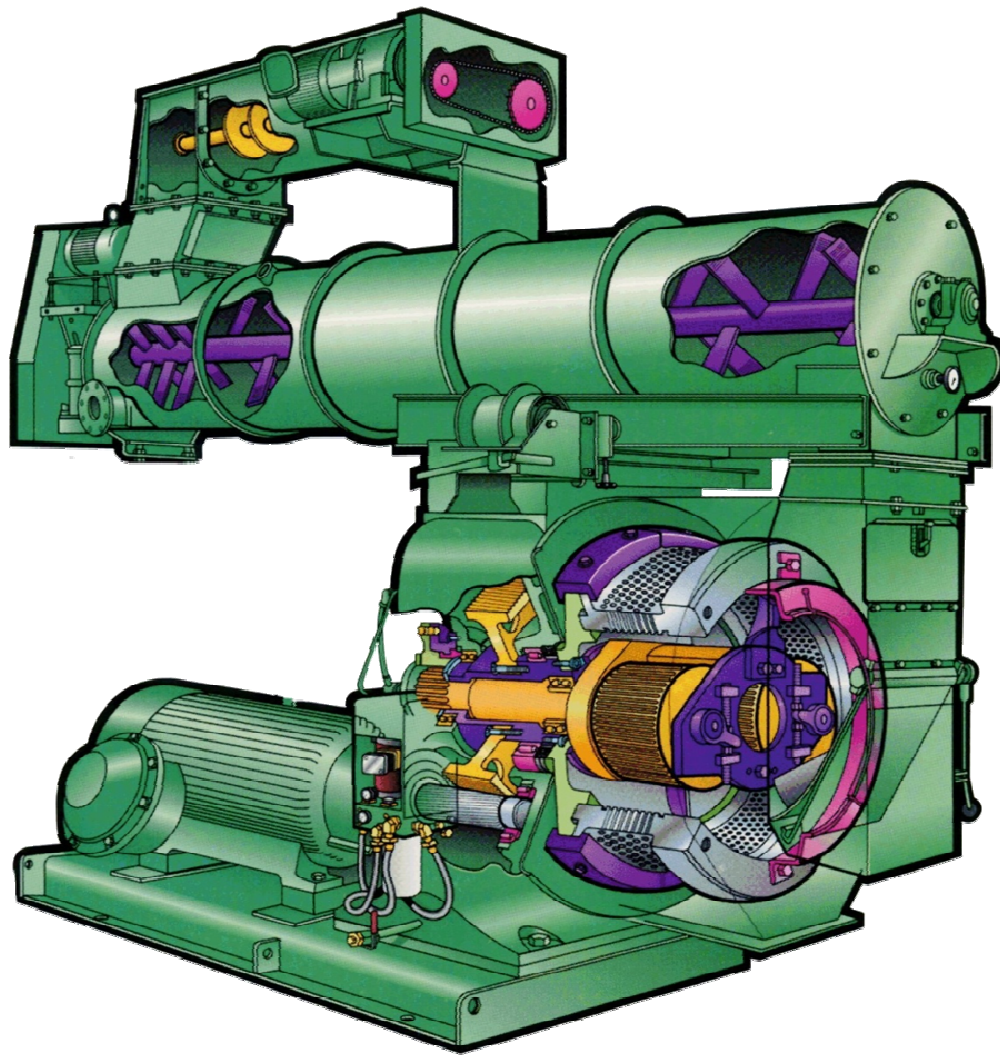
Hygieniser



Fat coater



The best pellet mill in the world!



CPM pellet mills are perceived to be the best in the world.

More than 50% of all pellet mills in the world is made by CPM

Available from 55 up to 500kW=up to 80 tph



How to get the best out of your pellet mills

- More steam will give a better pellet at lower cost.



- If too much steam ---roll slip--- die blockage





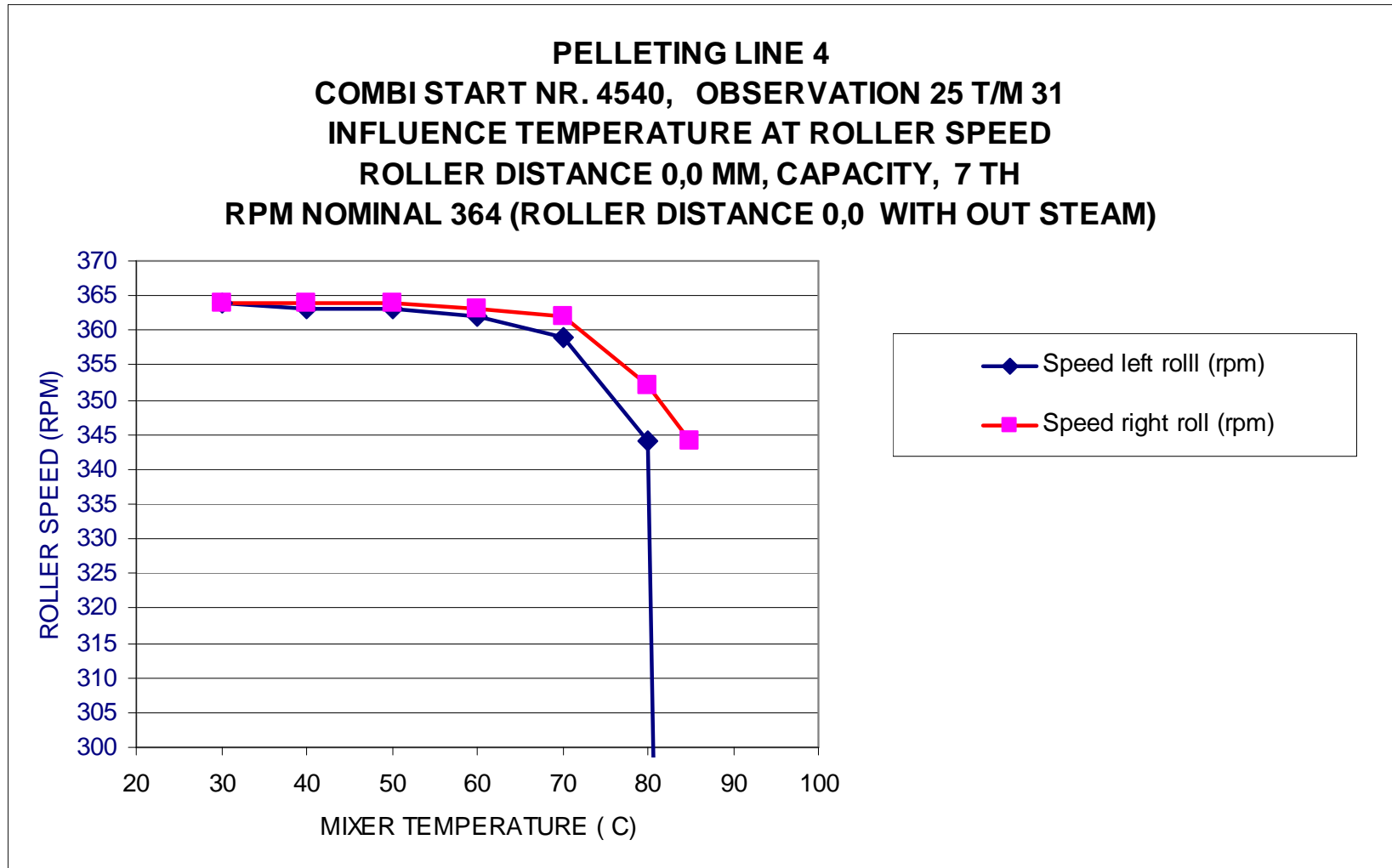
CPM Lineator

- Already for more than 20 years a great solution to a problem.



- But preventing blockages from happening would be better!

Improved steam addition control





Roll Speed Measurement

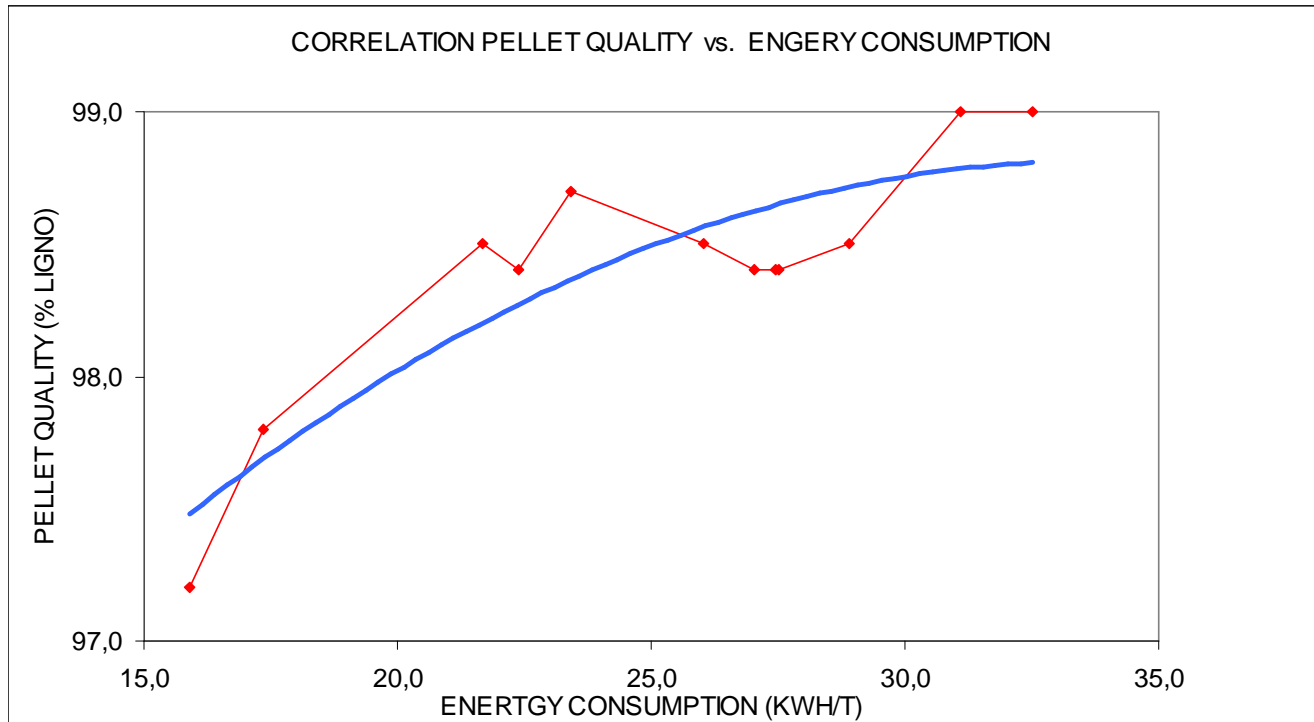
Higher capacity & better quality with Roll Speed Measurement.

- Enhanced control over pellet quality
- Improved steam addition control
- No more overloads
- Cost effective





Correlation pellet quality vs Energy consumption.



- Thicker dies give better pellets
- Increased energy consumption improves pellet quality.



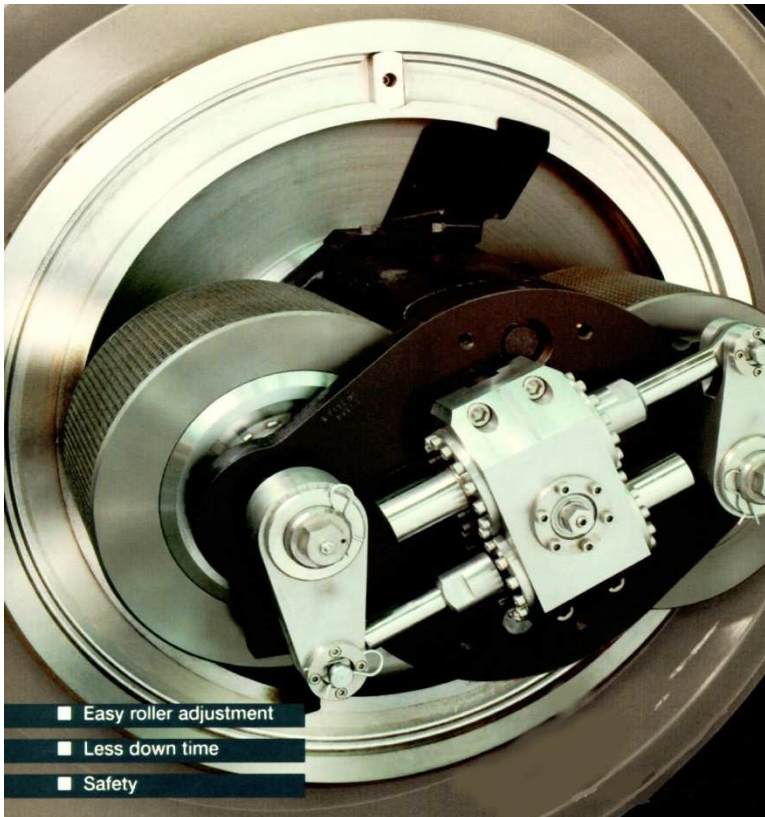
Quick die change

Use the best die for each purpose

- Replace your die in less than 20 minutes.
- Adjustable die thickness would be better!



Use roll adjustment to control energy input

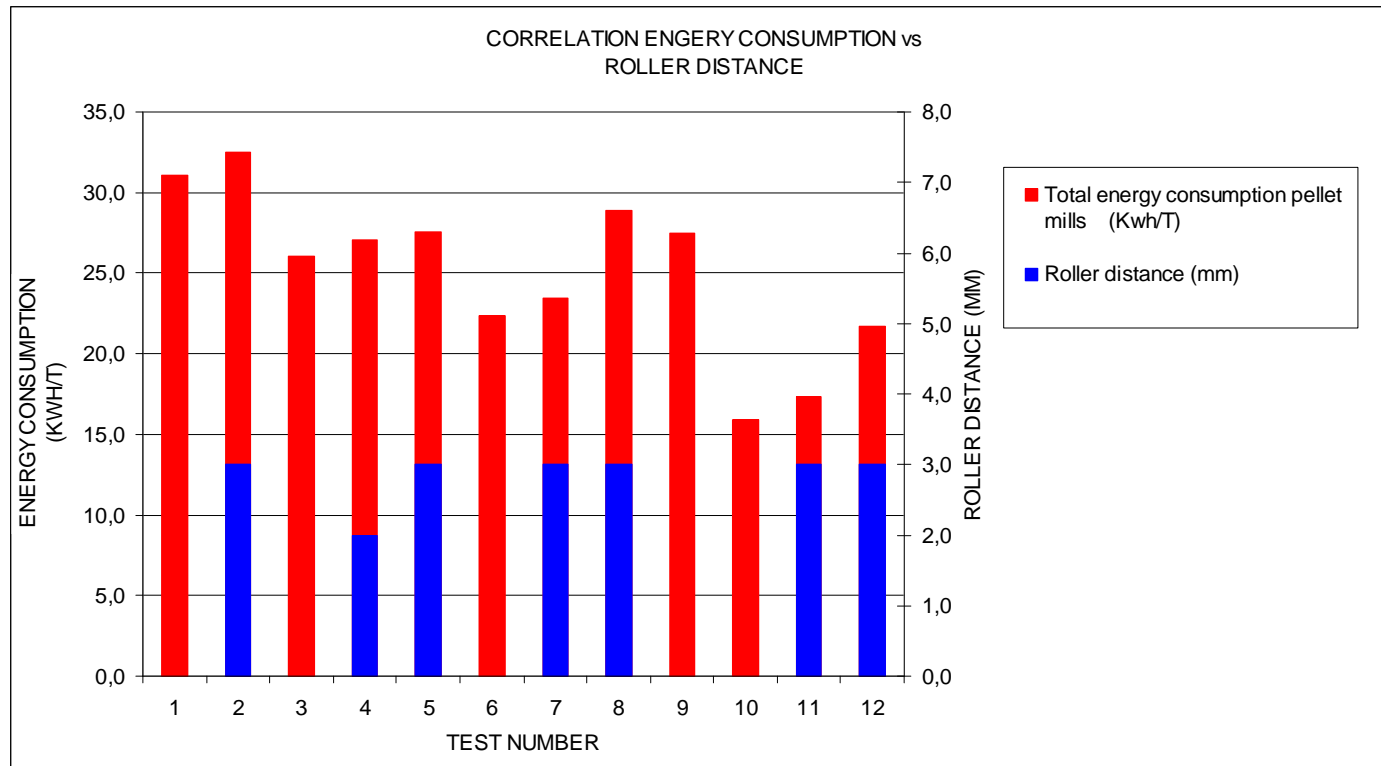


Adjustable die thickness!?

Simulate a thicker die with remote roll adjustment



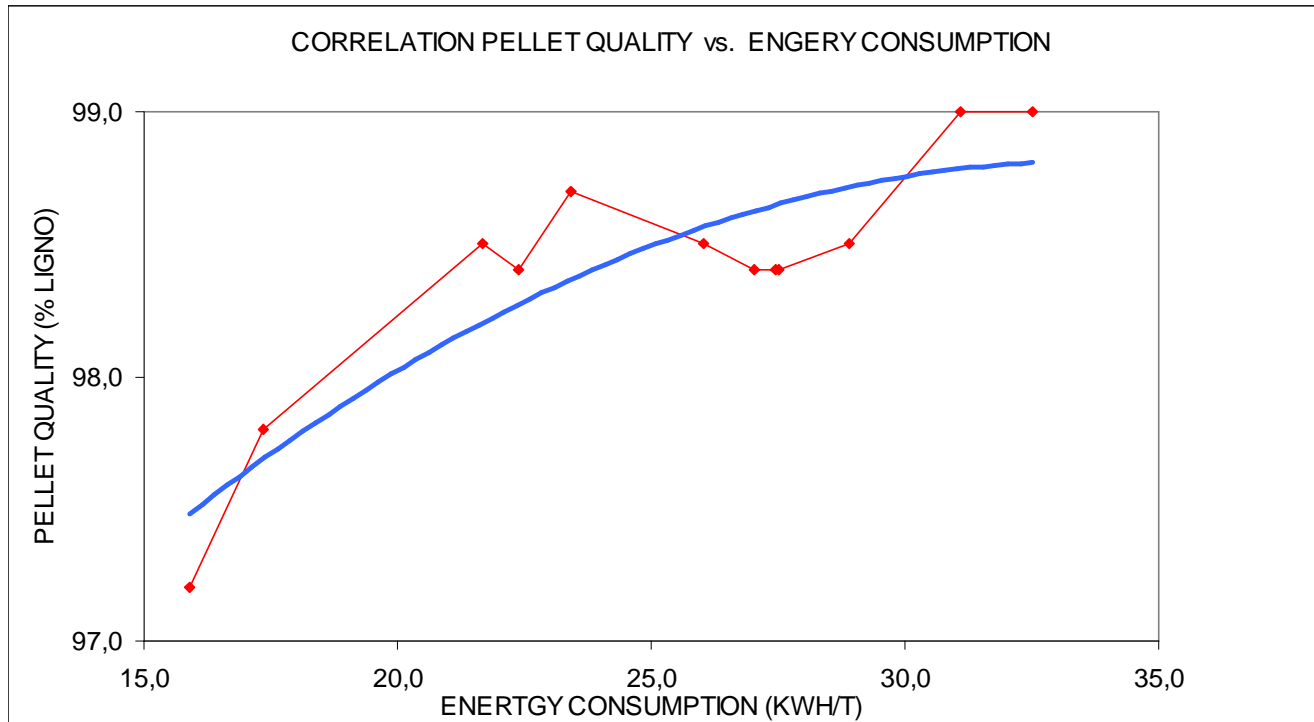
Roller distance vs energy consumption



- Increased roller distance results in higher energy consumption.



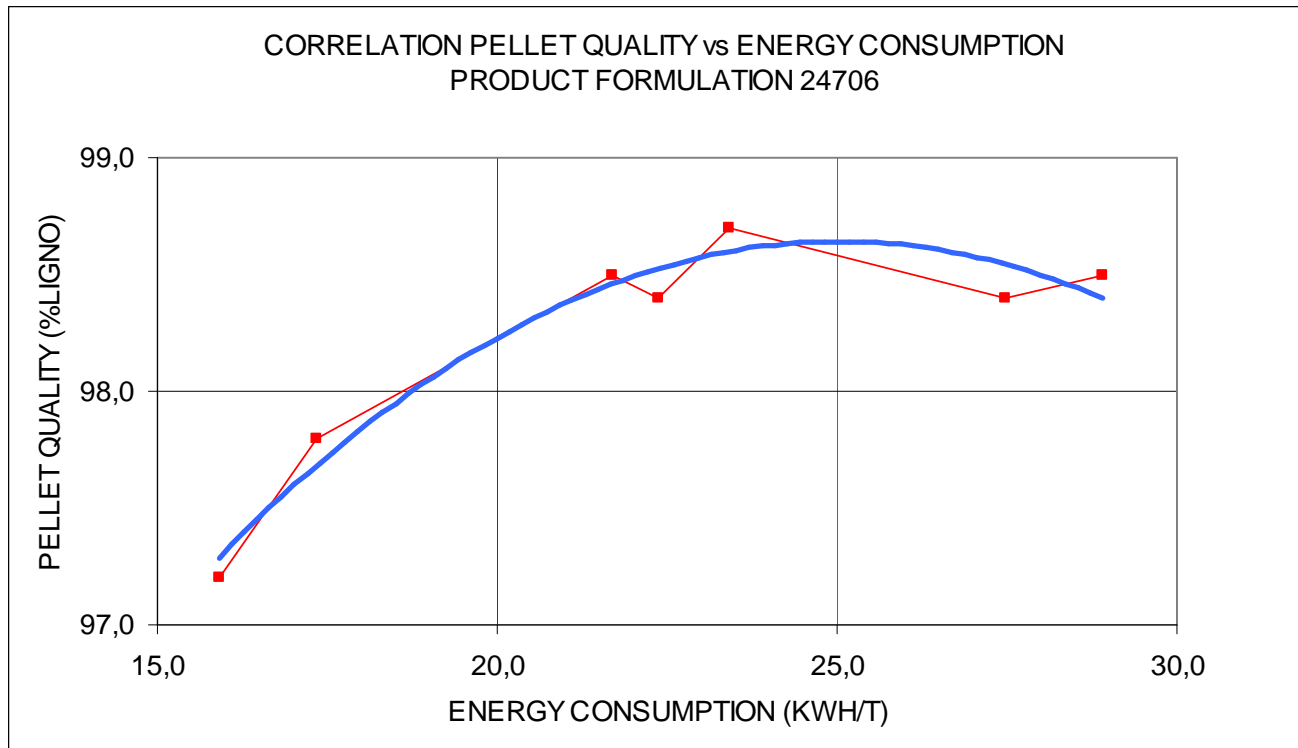
Correlation pellet quality vs Energy consumption.



- Increased energy consumption improves pellet quality.

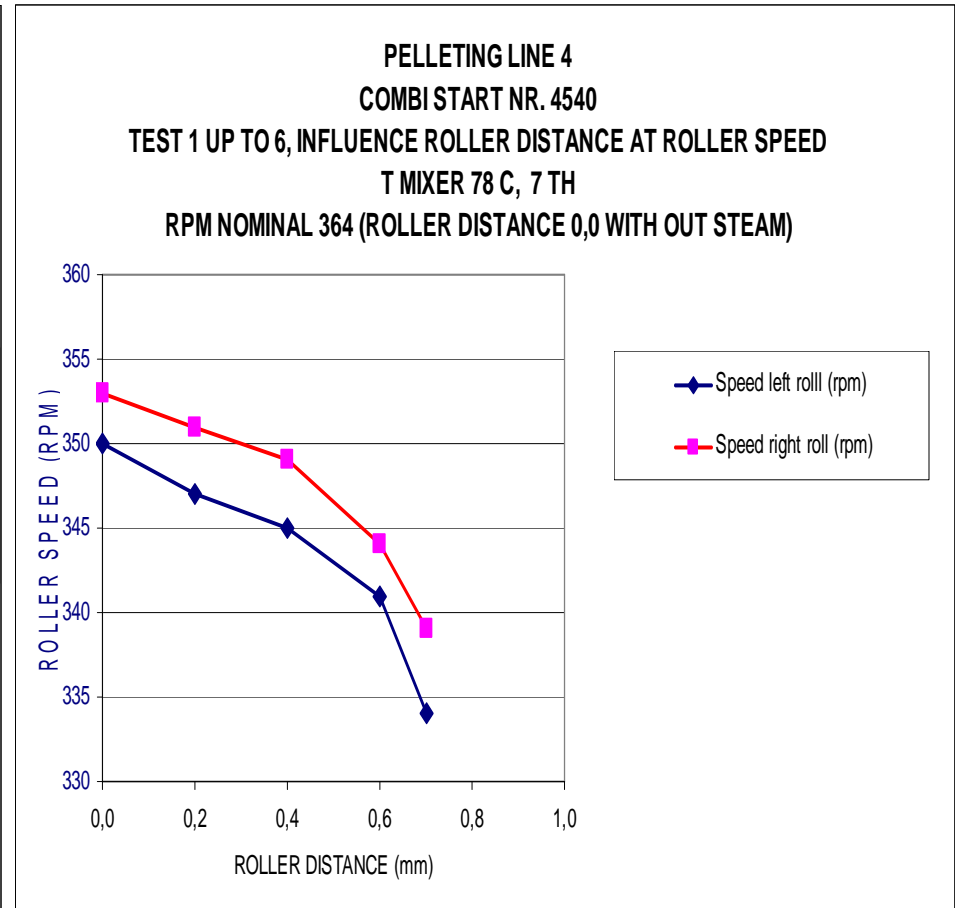
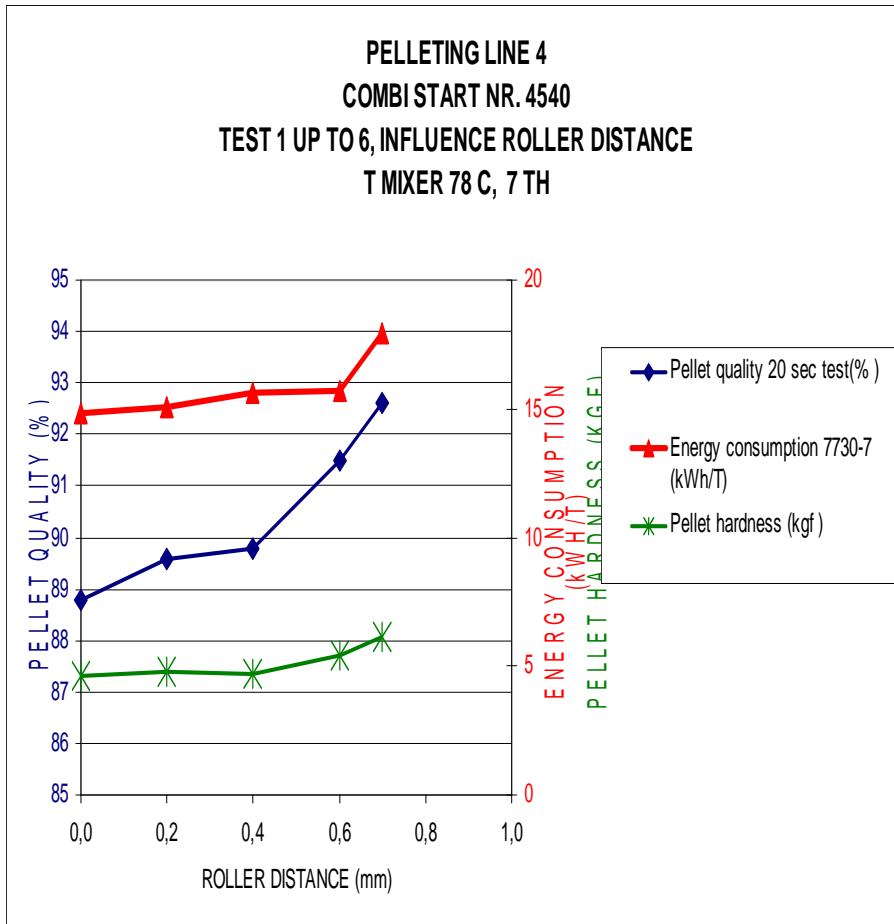


Energy vs. quality

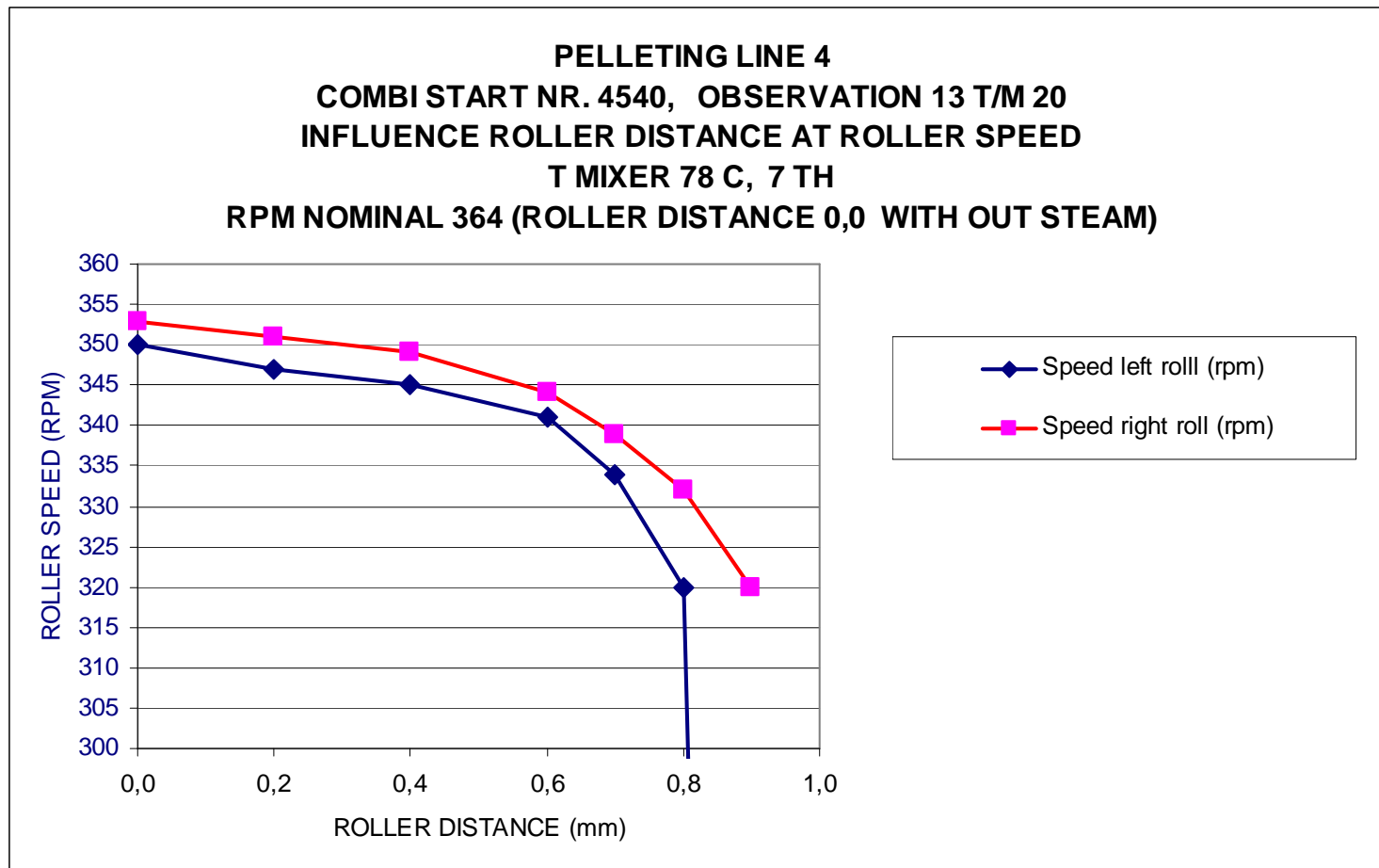


- Above 20kWh/t no substantial increase in quality

Manipulation of pellet quality

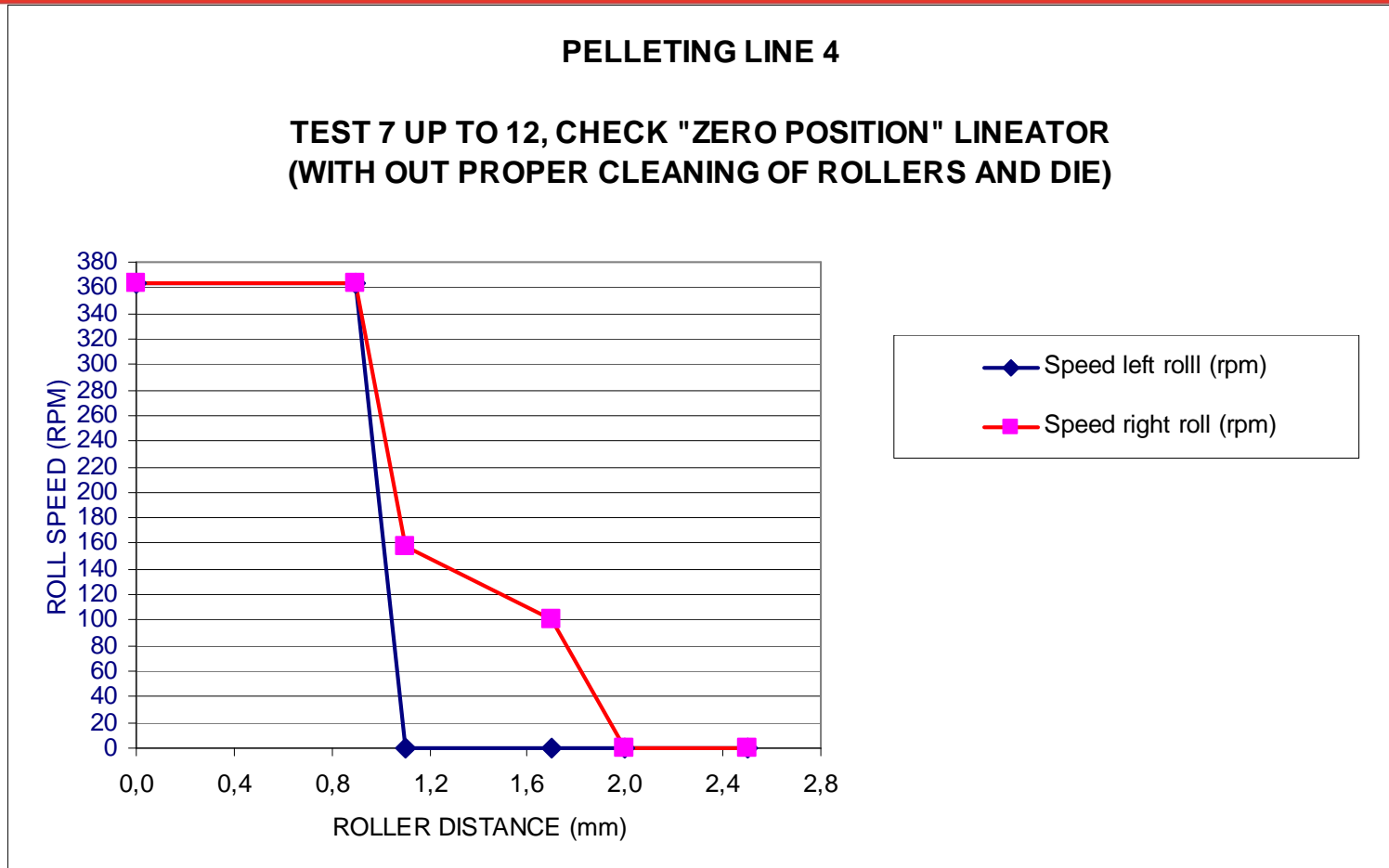


pellet mill over loads



The by-pass “Quick dump feed chute” has to be operated if the roller speed passes the maximum value of 10% under speed to prevent the pellet mill from choking

Easier “zero-positioning” rollers



The graph above shows that the right roller touches the die a little earlier then the left roller. The Lineator spindle fine adjustment can be applied to correct this.

What will you gain

- Easier “zero - positioning” rollers
- Improved steam addition control
- Substantial manipulation of pellet quality
- Respond to roller under speed before the pellet mill over loads
- See load balance difference between rollers
- Extra safety against fire at Biomass applications

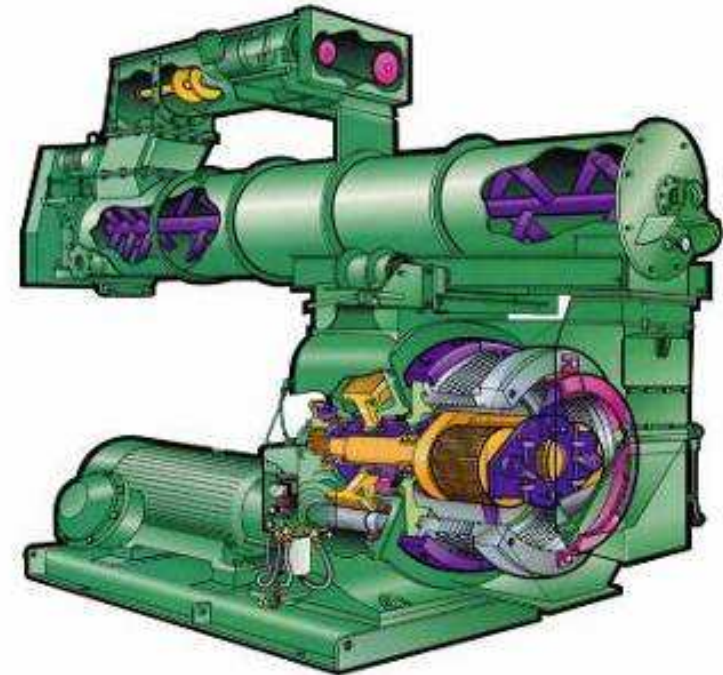


Roll speed measurement on pellet mills



Modern cars have ABS

Modern pellet mills have roll adjustment and roll speed measurement

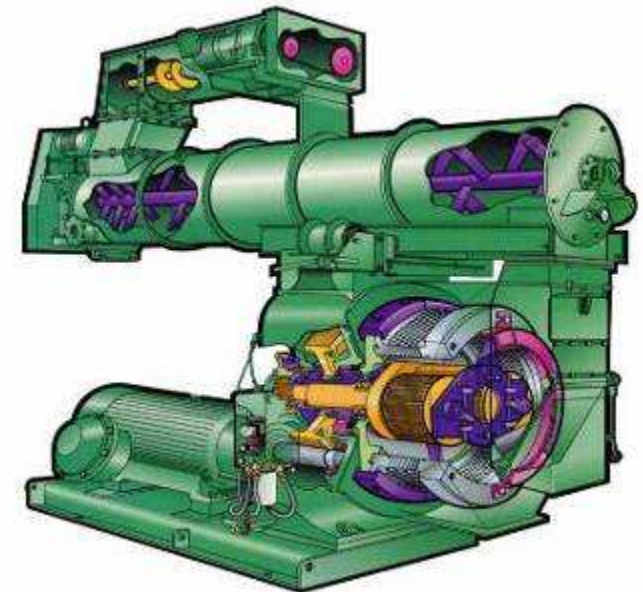
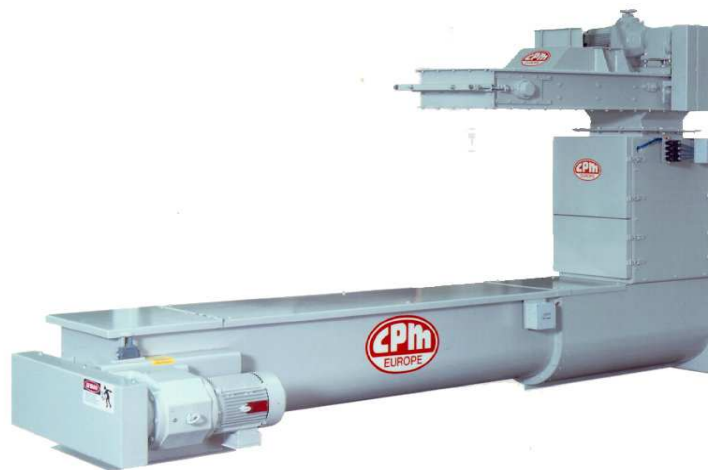
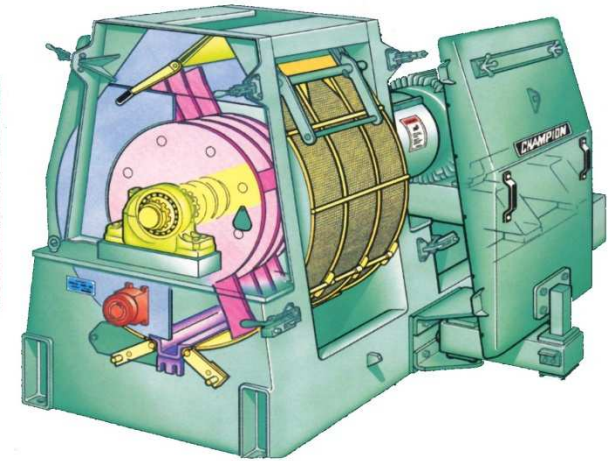
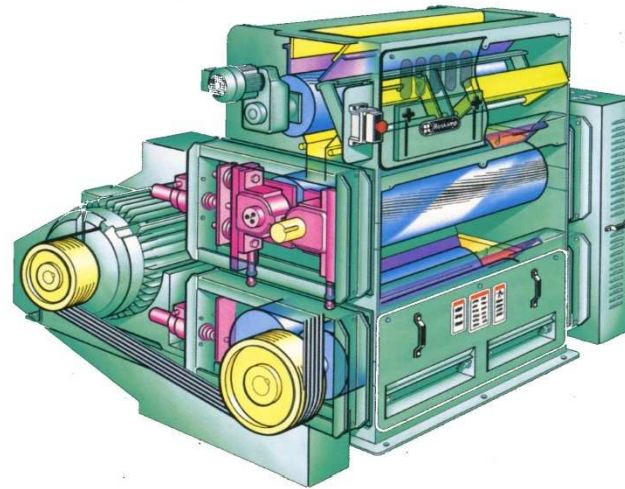




Team up with the specialists

Team up with CPM

- Knowledge
- Experience
- Global network
- Low operating cost
- Reliable equipment
- 24 x 7 x 52





THANK YOU FOR YOUR ATTENTION

Any ???

ERROR: undefined
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