

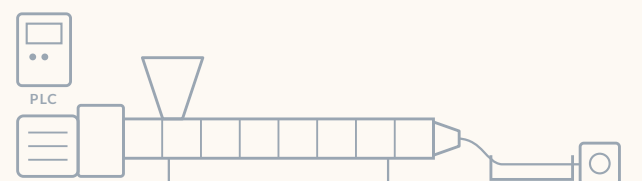
FOR EXTRUDERS

More tonnes. Less power.

Your best shift, every shift.

Thermo-Cognitive Advanced Process Control (TC-APC): more throughput, less energy in compounding and extrusion.

YOUR EXTRUDER TODAY



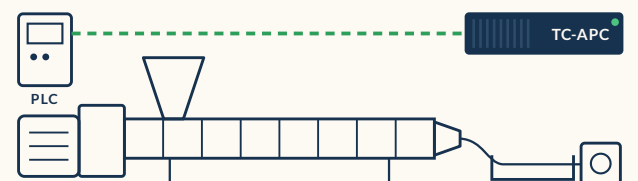
OUTPUT, SHIFT BY SHIFT



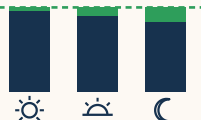
ENERGY PER KG



YOUR EXTRUDER WITH TC-APC



OUTPUT, SHIFT BY SHIFT



ENERGY PER KG



Illustration

The melt changes. Your setpoints don't. With TC-APC, they do.
More good kilograms every running hour, and less energy for each one.



The TC-APC system, installed beside your DCS, PLC or SLC.

YOUR NUMBER, WORKED OUT

₹90 lakh a year

per extruder, plus energy savings

Even 2% more on a 2,000 kg/h line running 7,500 hours is 300 tonnes a year: about ₹90 lakh at ₹30 a kg contribution.

We work out your own number free, from one month of log sheets.

WHAT TC-APC DOES ON YOUR EXTRUDER

- Optimizes and adjusts the extruder in real time as the melt changes, from lot to lot, hour to hour and shift to shift, and as the machine wears. Throughput goes up and energy per kilogram comes down, across your grades and on every shift. It works through your DCS, PLC or SLC, within limits you set. It runs the extruder close to its true capacity, always keeping a safety margin for sudden spikes, so it adds no trips.
- Every move is small and recorded. Your operator can switch it off at any moment.
- Runs on its own industrial system. Trips and interlocks stay untouched, and if it ever stops, the extruder simply returns to its own recipe.

No gain, no project

If the check finds nothing worth doing, we say so and stop there.

Shadow mode first

It writes setpoints only after you have watched it be right.

Savings on your own meters

Before and after, on your instruments, so the result is yours to check.

An engineering group of IIT Bombay alumni

Advisors: Prof. Pratim Biswas, Member, US National Academy of Engineering; former Dean of Engineering, University of Miami · Prof. Janat Shah, founding Director, IIM Udaipur

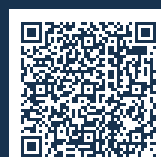
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yielddynamics.in/polymers-paper-textiles

+91 94230 07004, call or WhatsApp

Calls: Monday to Saturday, 9:00 to 19:00 IST

projects@yielddynamics.in



Scan for the extruder page