EXTRUSION CATALOGUE

Cores Extrusion

HIPS / HDPE / PP / ABS

Extrusion Division · Abhishek Innovative Concepts Pvt Ltd

3 Extrusion Lines · In-House Die Room · ISO 9001 · Export Ready

ISO 9001:2015 Certified

WHO WE ARE

Extrusion Specialists · Precision Tooling · Export Partners

AICPL's dedicated extrusion division manufactures HIPS/HDPE/PP/ABS tube cores and pancake cores for the global flexible-film industry — engineered in-house, from die design to finished core, for sun control, safety, BOPP and specialty films.

25+
Years
Experience

3
Extrusion
Lines

300
kg/hr
Combined Capacity

2"-6"
Internal Diameter
Range Manufactured

CAPACITY & CAPABILITY

Ready to grow with you — right now

40%	3	100	1
Spare Capacity Available Now	Extrusion Machines	kg/hr Per Machine Capacity	Dedicated Line for Pancake Cores

40% Capacity Available Now

Our extrusion lines run at 60% utilisation — new export orders can be absorbed without disrupting existing production commitments.

Customizable length

A dedicated lathe machine turns pancake-format cores in-house, run alongside our three tube-extrusion lines — giving customers both formats from a single supplier.

INFRASTRUCTURE

Extrusion Lines, Dies & Tooling

- 3 automated HIPS/HDPE/PP/ABS extrusion lines — 100 kg/hr each, 300 kg/hr combined
- Custom-built die heads, sizers and punches, engineered in-house for each core specification
- Cutting system designed in-house for zero burr — no secondary finishing step needed
- Dedicated lathe machine for pancake-format core production, alongside the tube lines



HIPS Extrusion Line, Waluj Facility

PRODUCT RANGE

Tube & Pancake Core Range

- Internal diameter: 2", 3" and 6" ID; wall thickness 2mm to 7mm
- Length fully customisable to order; smooth, scratch-proof finish
- Optional knurling for grip; line-extrusion marking minimises winding wastage
- Pancake-format cores turned to order on our in-house lathe









MATERIAL PROPERTIES

Engineered for High-Tension Winding

- Tensile strength 4000 PSI; compression strength 7500 PSI
- Flexural strength 8700 PSI; specific density 1.04 gm/cc
- Water absorption 0.10%; operating range -22°F to +140°F
- Reusable 15+ times minimum — no tear-out or crushing

APPLICATIONS
SPECIALTY & FLEXIBLE FILMS

Solar & Safety Films

Sun control films, safety films, and PPF (paint protective films) — high-tension winding without core damage.

Industrial Films

BOPP (Biaxially Oriented Polypropylene) films and aluminium foil films — consistent ID tolerance at speed.

Imaging & Data Films

Photo films and magnetic films — clean, dust-free winding surface protects sensitive coatings.

Specialty Coated Films

Metalized films and clear films — smooth, scratch-proof cores for wrinkle-free unwind.

ECONOMICS

Why Plastic Cores Over Paper

- Reusable 15+ times minimum — vs single-use paper cores
- No dust, fibre shedding or moisture absorption — protects sensitive film contact surfaces
- Net cost per core: ₹96 (plastic) vs ₹214 (paper), after scrap recovery
- Consistent ID tolerance; no core-fire risk unlike paper cores



QUALITY & PROCESS CONTROL

Built into every core we extrude

01

ISO 9001:2015 Certified

Independently audited quality management system, covering our extrusion processes end-to-end.

02

In-House Testing

Dedicated in-house testing facility validates tensile, compression and flexural performance before dispatch.

03

Zero-Burr Cutting

Cutting system engineered in-house to eliminate burr, removing the need for secondary finishing.

OUR CUSTOMERS

Anchor Accounts

Garware Hi-Tech Films
3M

Established Accounts

Saint Gobain
Cosmo Films
JBF Industries

Specialty & Export Accounts

Polyplex Corporation
Checkpoint

Additional Reach

Adhesive & BOPP tape manufacturers across India - Sun Kool Solutions, Technova Tapes, Intek Tapes, Decal, Ajit Industries and many more

OUR USPs

Experience

An experience of over two decades in the highly precise extrusion field.

In house cutting technology

In house developed cutting machine to ensure burr free cutting

Patent application (in process)

Technology developed to ensure minimum rejection of films due to impressions of cores

BUILT FOR EXPORT

“To be the preferred extrusion partner for companies entering the Indian flexible-film and specialty-film market — offering global-standard cores, in-house tooling speed, and capacity ready to scale with you.”

What This Means

Global Standards

ISO 9001:2015 certified; tested material specs matching international film-winding requirements.

Responsive Tooling

Fast development of die head, sizer and punch design — new specs turned around fast

Capacity Ready Now

40% spare capacity across 3 extrusion lines — new accounts absorbed without disrupting existing commitments.

Proven Track Record

Existing supply relationships with Garware Hi-Tech Films and 3M — established performance in India’s specialty film sector.

GET IN TOUCH

Extrusion Division · An ISO 9001 Certified Manufacturer

MANUFACTURING FACILITY

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