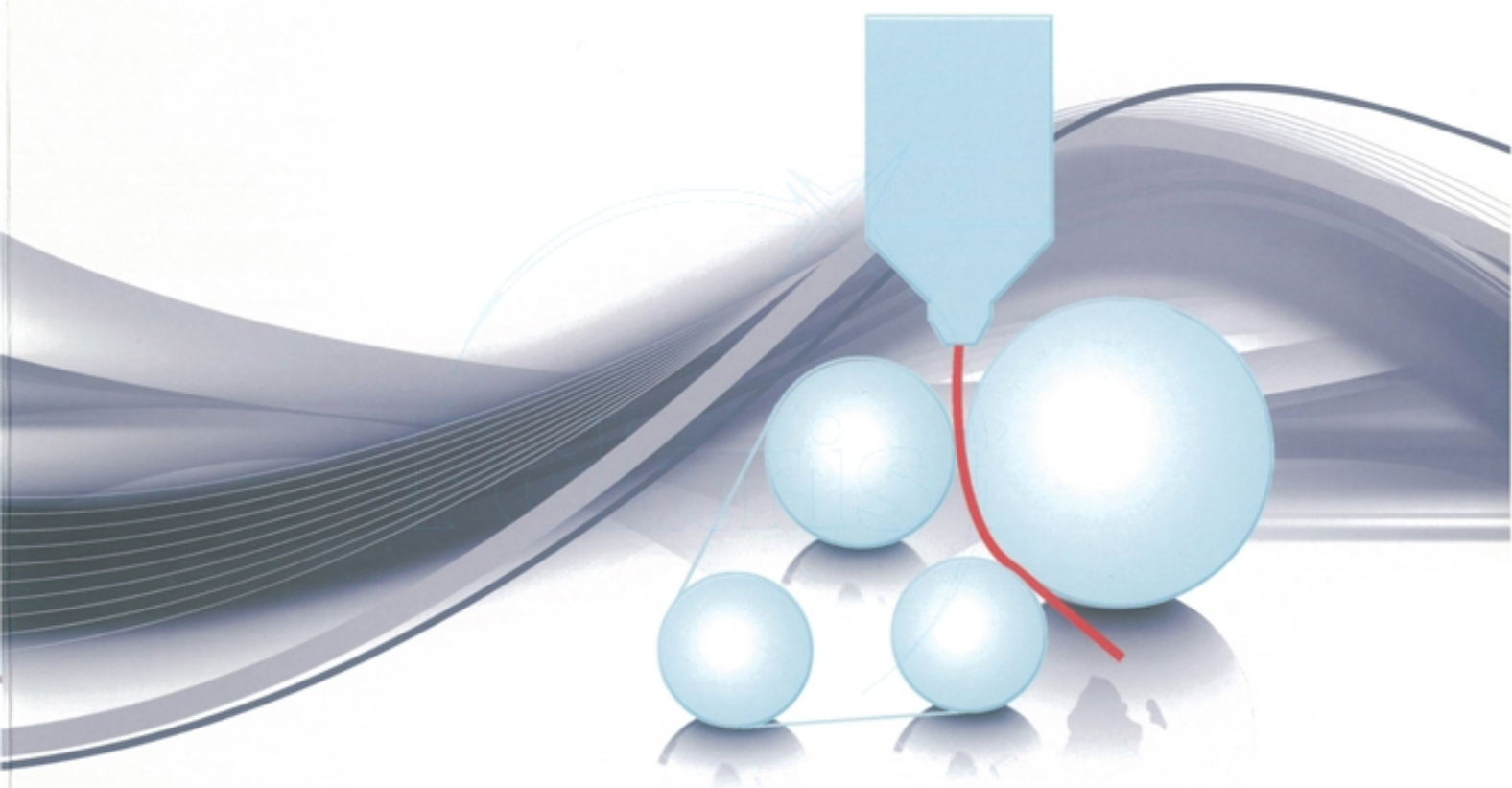




EXTRUSION
ISO 9001-2000

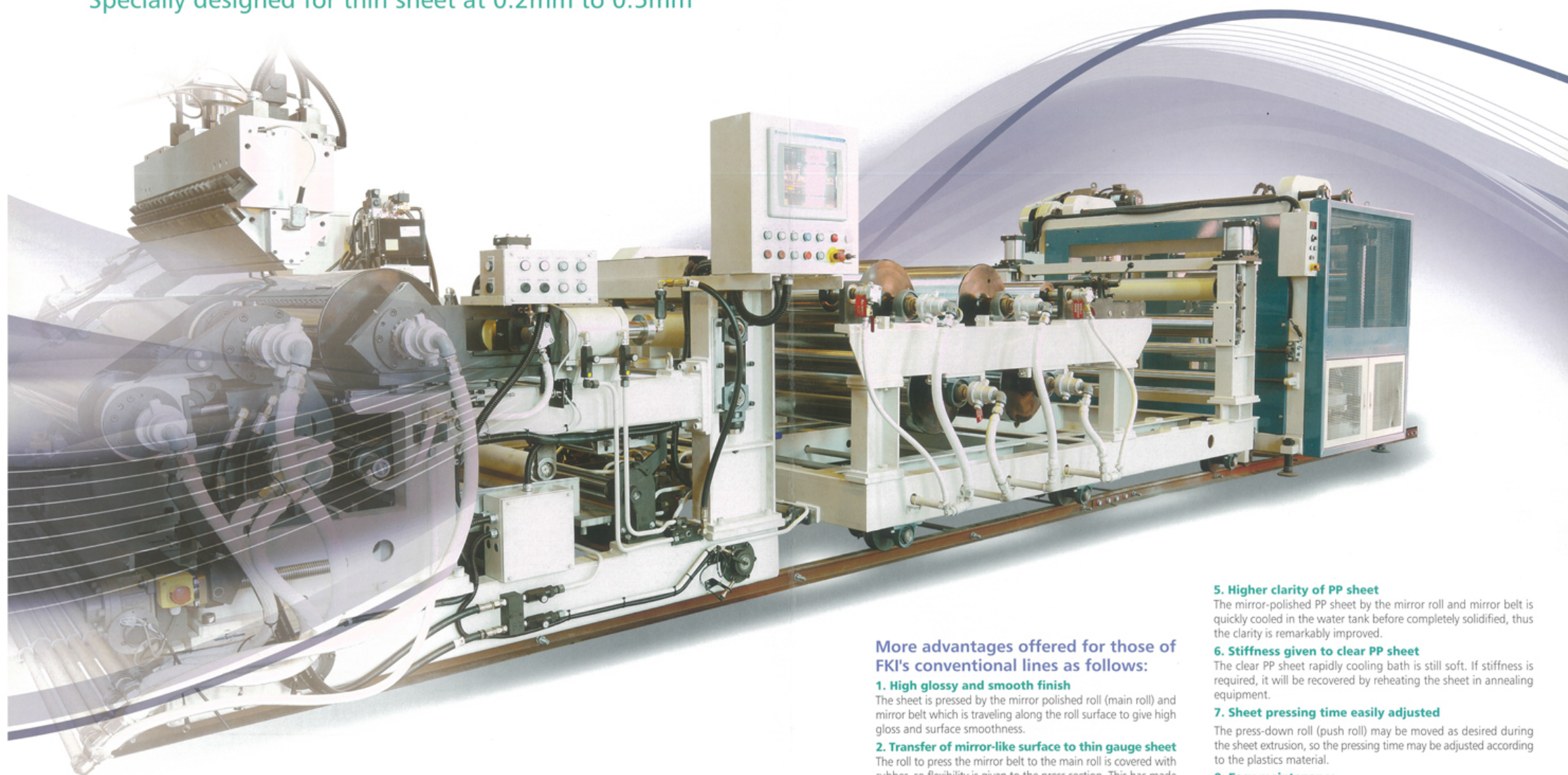


Thin PP Sheet Extrusion Line by Steel Belt System

Specially designed for thin sheet at 0.2mm to 0.5mm

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Specially designed for thin sheet at 0.2mm to 0.5mm



This is a new version of FKI's sheet extrusion line by adding the steel belt system in order to obtain high clarity PP sheet and intended for high glossy mirror surface and high accuracy of the sheet thickness.

STEEL BELT SYSTEM PATENT:

United States Patent No: 5,674,442

Korea Patent No: 10-0262478

Japan Patent No: 3554570

Europe Patent Application No: EPO 037771706

Taiwan Patent Applying

More advantages offered for those of FKI's conventional lines as follows:

1. High glossy and smooth finish

The sheet is pressed by the mirror polished roll (main roll) and mirror belt which is traveling along the roll surface to give high gloss and surface smoothness.

2. Transfer of mirror-like surface to thin gauge sheet

The roll to press the mirror belt to the main roll is covered with rubber, so flexibility is given to the press section. This has made it possible to transfer the mirror-polished surface to the thin-gauge sheet of 0.1mm.

3. Easy adjustment of sheet thickness

The sheet thickness is adjustable without adjusting the roll gap, but only the take-up speed is adjusted. This shortens the time required by thickness adjustment.

4. Shorter time for operation start

The troublesome roll gap adjustment and sheet surface smoothness adjustment are no longer necessary. Therefore, the preparation time before the operation starts is shortened.

5. Higher clarity of PP sheet

The mirror-polished PP sheet by the mirror roll and mirror belt is quickly cooled in the water tank before completely solidified, thus the clarity is remarkably improved.

6. Stiffness given to clear PP sheet

The clear PP sheet rapidly cooling bath is still soft. If stiffness is required, it will be recovered by reheating the sheet in annealing equipment.

7. Sheet pressing time easily adjusted

The press-down roll (push roll) may be moved as desired during the sheet extrusion, so the pressing time may be adjusted according to the plastics material.

8. Easy maintenance

As compared with the conventional steel belt type extrusion line, the belt exchanging can be done with the less number of attendants and in a shorter time.

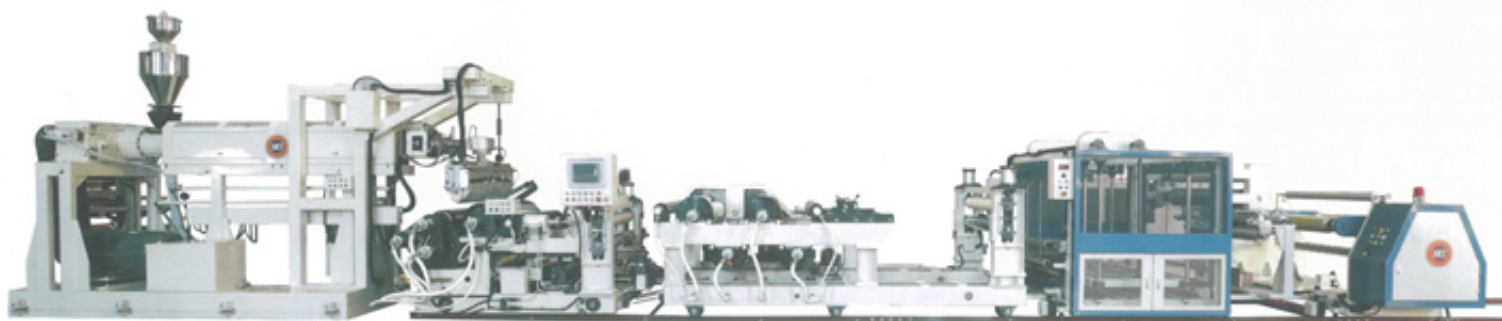
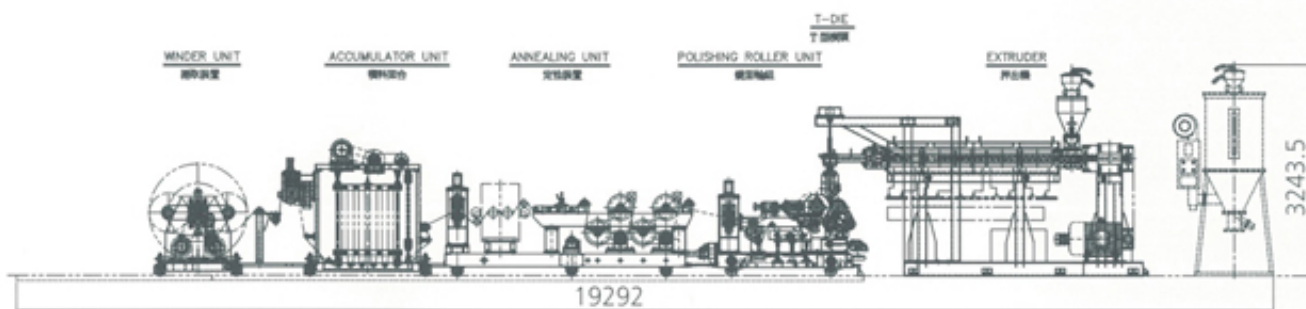
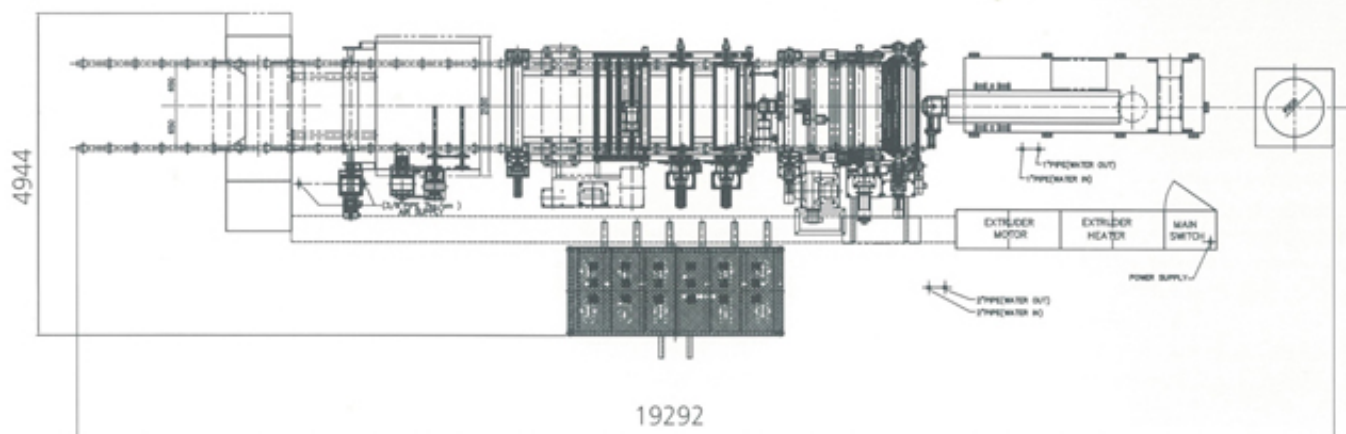
9. Space saving

Compact design of the belt type sheet take-up unit saves on space.

10. Low cost

Not to mention about the cost reduction in the manufacture of equipment, the cost of belt, and expendable item, and other running costs, such as the belt exchanging costs and consumption can be reduced.

MACHINE LAYOUT



An ISO 9001-2000 Company

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