production cost can be reduced.

MEANS FOR SOLVING THE PROBLEMS

[0007] In order to accomplish such the object, in a three-side seal film packaging machine of this invention, at a main frame, a film supply unit for packaging a packaging object which is supplied from a supply conveyer with a packaging film which is reeled out from a roll film by a former to form a packaging film for packaging object, a center sealer unit for welding the packaging film for packaging object by center sealers cylindrically, a center conveyer unit for feeding the packaging film for packaging object which is welded by the center sealer unit by a center conveyer, an end sealer unit for welding and cutting said cylindrical packaging film for packaging object which is fed from said center conveyer unit by a pair of upper and lower end sealers to form a three-side seal package of a predefined package length, ~~and~~ a transport conveyer unit for transporting the formed three-side seal package by a transport conveyer ~~are provided~~, ~~and~~ a sub frame is provided at the main frame slidably in the vertical direction, and a gear train, which is provided at one side as shown in a feed direction of the packaging film for packaging object in the sub frame and comprising a drive gear and a pair of driven gears engaged to an upper side and a lower side of the drive gear respectively and arranged in a vertical direction and in a straight line, ~~is provided, and~~ connecting shafts for the pair of driven gears are respectively connected to the lower end sealer through a gate-shaped base comprising a base part which is rotationally driven in phase by support pillar parts pivotally attached to first and second cranks of both sides of the sub frame as shown in the feed direction of the packaging film for packaging object, a connecting shaft for the driven gear of the lower side of the pair of driven gears is connected to an upper end sealer through connecting

CLAIMS

1. A three-side seal film packaging machine providing, at a main frame, a film supply unit for packaging a packaging object which is supplied from a supply conveyer with a packaging film which is reeled out from a roll film by a former to form a packaging film for packaging object, a center sealer unit for welding said packaging film for packaging object by center sealers cylindrically,

a center conveyer unit for feeding said packaging film for packaging object which is welded by said center sealer unit by a center conveyer,

an end sealer unit for welding and cutting said cylindrical packaging film for packaging object which is fed from said center conveyer unit by a pair of upper and lower end sealers to form a three-side seal package of a predefined package length, ~~and~~

a transport conveyer unit for transporting the formed three-side seal package by a transport conveyer,

~~characterized by:~~

a sub frame which is provided at said main frame slidably in the vertical direction, and

a gear train provided at one side as shown in a feed direction of said packaging film for packaging object in said sub frame and comprising a drive gear and a pair of driven gears engaged to an upper side and a lower side of said drive gear respectively and arranged in a vertical ~~direct~~ direction and in a straight line,

characterized by:

connecting shafts for the pair of driven gears being respectively connected to said lower end sealer through a gate-shaped base comprising a base part which is rotationally driven in phase by first and second cranks of both sides of said sub frame as shown in the feed direction of