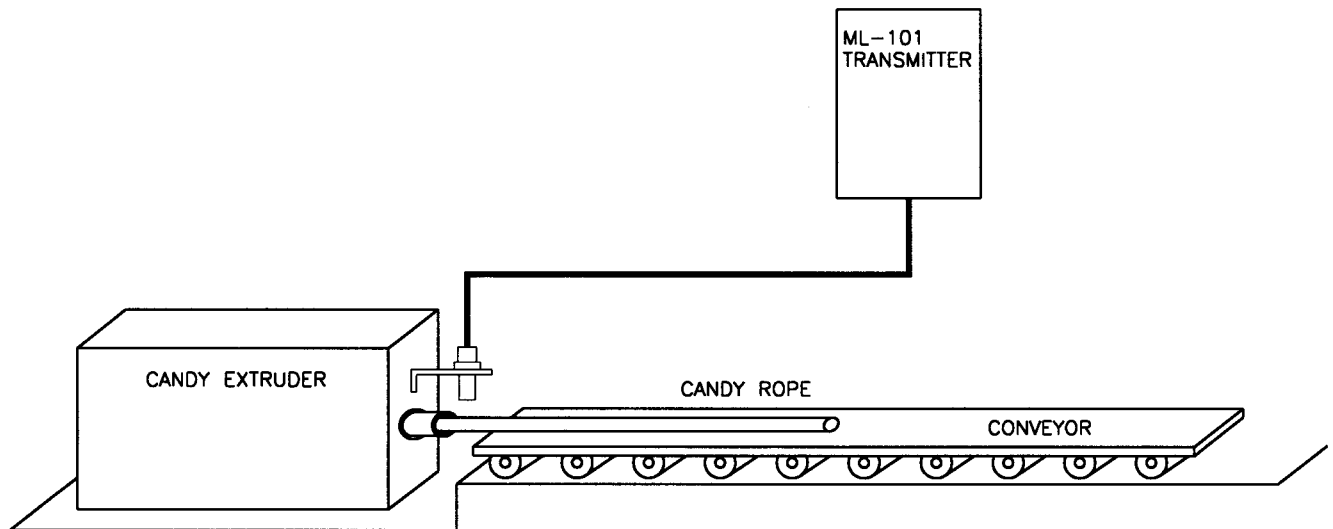




**DIAMETER MEASUREMENT OF EXTRUDED CANDY ROPE
USING MICROMEASUREMENT SYSTEM**



PROBLEM:

SOLUTION: THE ML-101 MICROMEASUREMENT SYSTEM WITH A SMALL CONTINUOUS SENSOR IS USED TO MEASURE THE DIAMETER OF AN EXTRUDED CANDY ROPE. TIGHT CONTROL OVER THE DIAMETER OF THIS ROPE IS ESSENTIAL BOTH FOR SAVINGS IN RAW MATERIAL COST AND BECAUSE OVER AND UNDER SIZED ROPES RESULT IN JAMMING OR BREAKDOWN OF THE HIGH SPEED FORMING AND PACKAGING MACHINERY FURTHER ALONG IN THE PROCESS. THE ML-101 PROVIDES A 4-20mA ANALOG OUTPUT (RS-232 ALSO AVAILABLE) PROPORTIONAL TO THE DIAMETER, WHICH IS USED BY THE DIE HEAD TO ADJUST THE ROPE DIAMETER. DEPENDING ON THE VARIABLES OF THE APPLICATION, THE ML-101 IS NORMALLY REPEATABLE TO BETTER THAN ± 0.005 ".