Drum Costs - Solution

A plot of Costs versus Weight with fitted (regression) line is given below.
The fitted linear relation formula is

$$\text{Cost} = 1000 + 441.6 \cdot \text{Weight}$$

Since the fit is extremely (and unexpectedly) good it may be well suited to judge incoming bids on new drums with known weight obtained from specification. The pair (Weight, Cost) may be plotted in the diagram, and a point sufficiently above the line may correspond to a inferior price offer, unless some specific reason for the high price is found.

Fitted Line Plot
Cost = 1000 + 441,6 Weight

S	918,863
R-Sq	99,8%
R-Sq(adj)	99,8%