

<b>Project Title -26</b>	<b>Development of a Computerized System for Marker Making in Garment Industry</b>
<b>Principal Investigator</b>	S. Sugumar
<b>Cost</b>	Rs.21.38 lakhs
<b>Date of Commencement</b>	Feb 1999
<b>Duration</b>	18 Months
<b>Date of Completion</b>	July 2000
<b>Abstract</b>	<p>The garment industry is one of the labour intensive industries in the Country and its potential growth rate is of a high order. In garment manufacturing, the primary preproduction operations are marker making, laying, cutting and preparation of cut parts for sewing. Manual methods of marker making are time – consuming, subject to errors and inconsistent thereby increasing the wastage and overall cost of the garment. To enhance the productivity of marker making and reduce wastage in garment manufacturing, SITRA has developed a computerized system for marker making – “SITRA FlexiMark” which can be used for both knitted and woven fabrics in open /folded / tubular form. The pattern pieces can be placed precisely within the boundary limits on the lay without overlapping the adjacent patterns. It is possible to reduce the fabric wastage by 2% to 3% and increase the productivity of the marker making by about 15% to 20% over the conventional manual method.</p>
<b>Highlights</b>	<ul style="list-style-type: none"> <li>▪ “SITRA FlexiMark” – Marker making system can be used for both knitted and woven fabrics in open / folded / tubular form</li> <li>▪ The pattern pieces can be placed precisely within the boundary limits on the lay without overlapping the adjacent patterns</li> <li>▪ With this system, it is possible to reduce the fabric wastage by 2% to 3% and increase the productivity of the marker making by about 15% to 20% than the conventional manual method</li> </ul>
<b>Area of applicability</b>	Garment Industry
<b>Target beneficiaries</b>	<ul style="list-style-type: none"> <li>• The study findings were disseminated to SITRA member mills</li> <li>• The garment making industry has found the development highly useful and economically viable</li> </ul>
<b>Status</b>	Completed