

Pattern Grading for T-shirt using REACH CAD



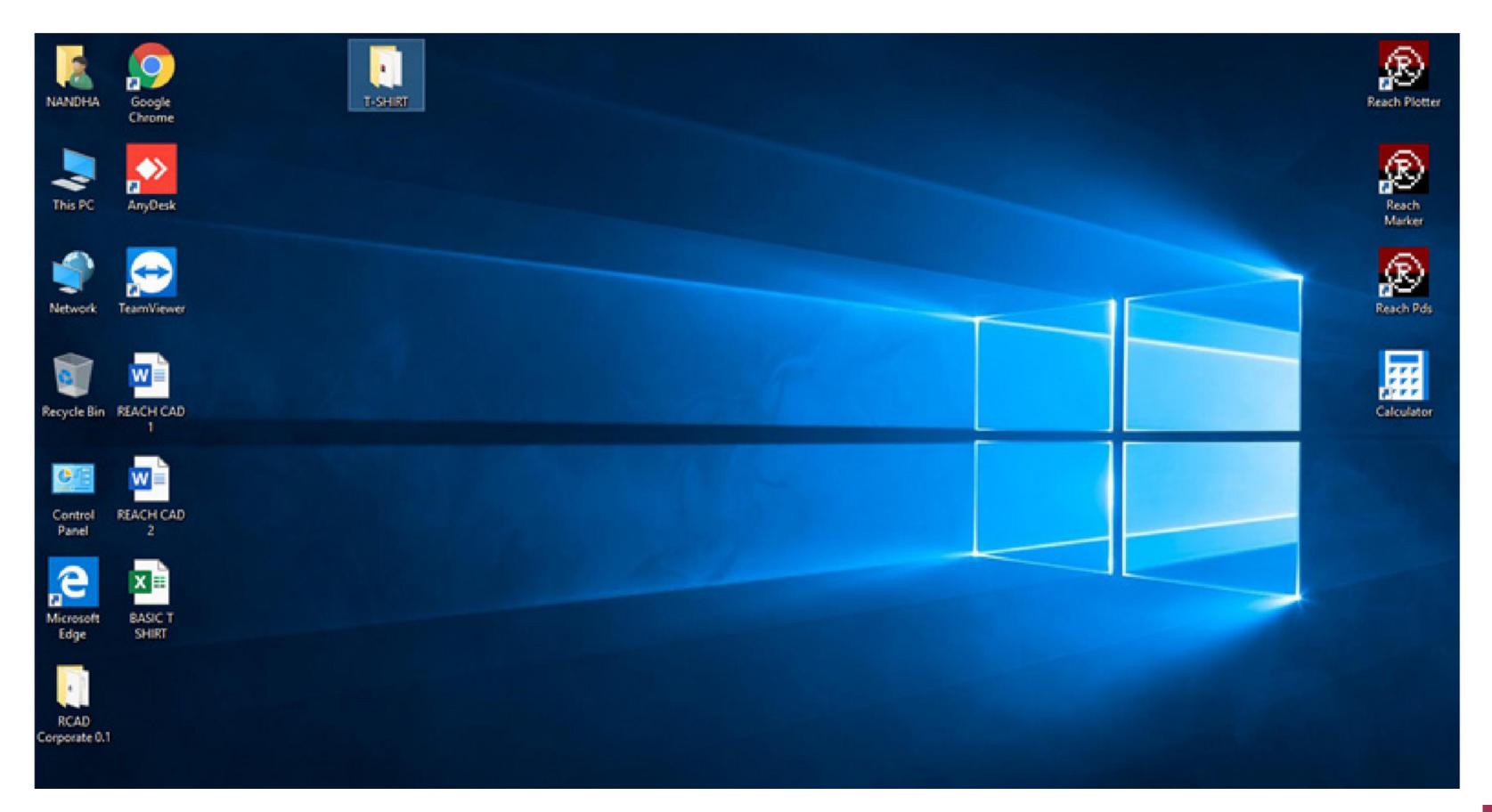
STEP-001 MEASUREMENTS OF BASIC ROUND NECK T-SHIRT GRADING SPC

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| 1 | | | 0 | ROUND | NECK | T-SHIR | г | | | | | | | | | | | | | |
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| 3 | | 0.75 | _ | | | | | | | | | | | | | | | | | - |
| 4 | | SIZE | S | M | L | XL | XXL | | | | | | | | | | | | | - |
| 5 | 1 | 1/2 CHEST WIDTH | 19 | 20 | 21 | 22 | 23 | | | | | | | | | | | | | |
| 6 | 2 | 1/2 BOTTOM WIDTH | 19 | 20 | 21 | 22 | 23 | | | | | | | | | | | | | - |
| 7 | 3 | BODY LENGTH FROM HSP | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | | - |
| 8 | 4 | SHOULDER 1/2 | 4.5 | 4.75 | 5 | 5.25 | 5.5 | | | | | | | | | | | | | |
| 9 | 5 | 1/2 ARMHOLE | 8.5 | 9 | 9.5 | 10 | 10.5 | | | | | | | | | | | | | |
| 10 | 6 | 1/2 SLEEVE OPEN | 6 | 6.5 | 7 | 7.5 | 8 | | | | | | | | | | | | | |
| 11 | 7 | SLEEVE LENGTH | 8 | 8.5 | 9 | 9.5 | 10 | | | | | | | | | | | | | - |
| 12 | 8 | NECK OPENING | 6 | 6.25 | 6.5 | 6.75 | 7 | | | | | | | | | | | | | |
| 13 | 9 | DROP NECK FRONT | 3.75 | 3.75 | 4 | 4.25 | 4.25 | | | | | | | | | | | | | |
| 14 | 10 | DROP NECK BACK | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | |
| 15 | 11 | SHOULDER DROP | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | v |
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STEP-002 OPEN FOLDER NAMED T-SHIRT



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STEP-003 CLICK ON ANY OF THE REACH PDS FILES

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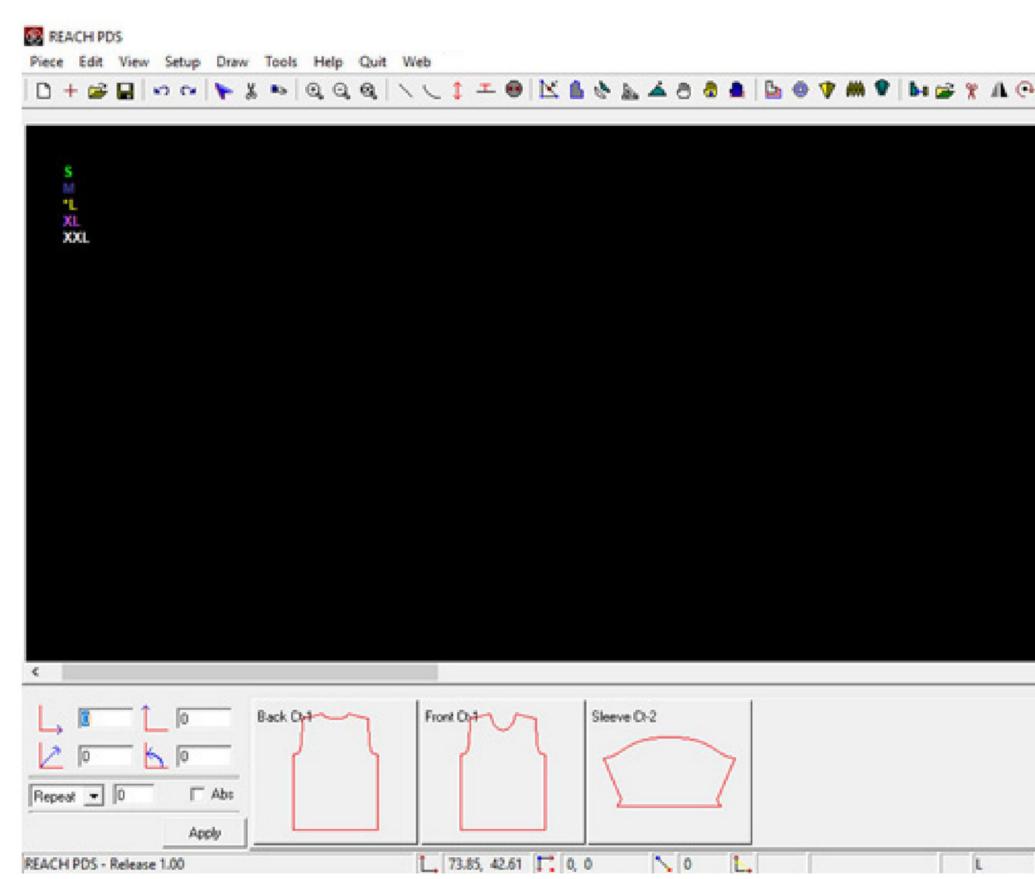
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STEP-004 OPEN T-SHIRT IN REACH PDS



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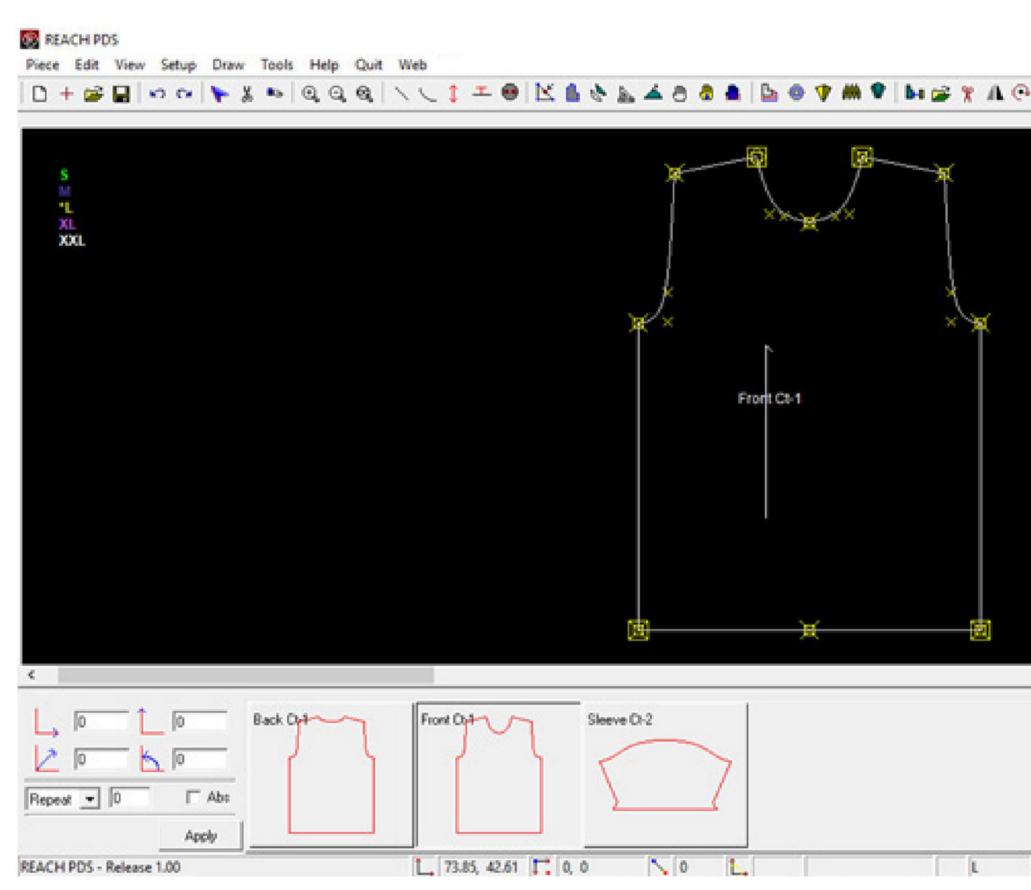
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STEP-005 CLICK ON FRONT PATTERN FIRST



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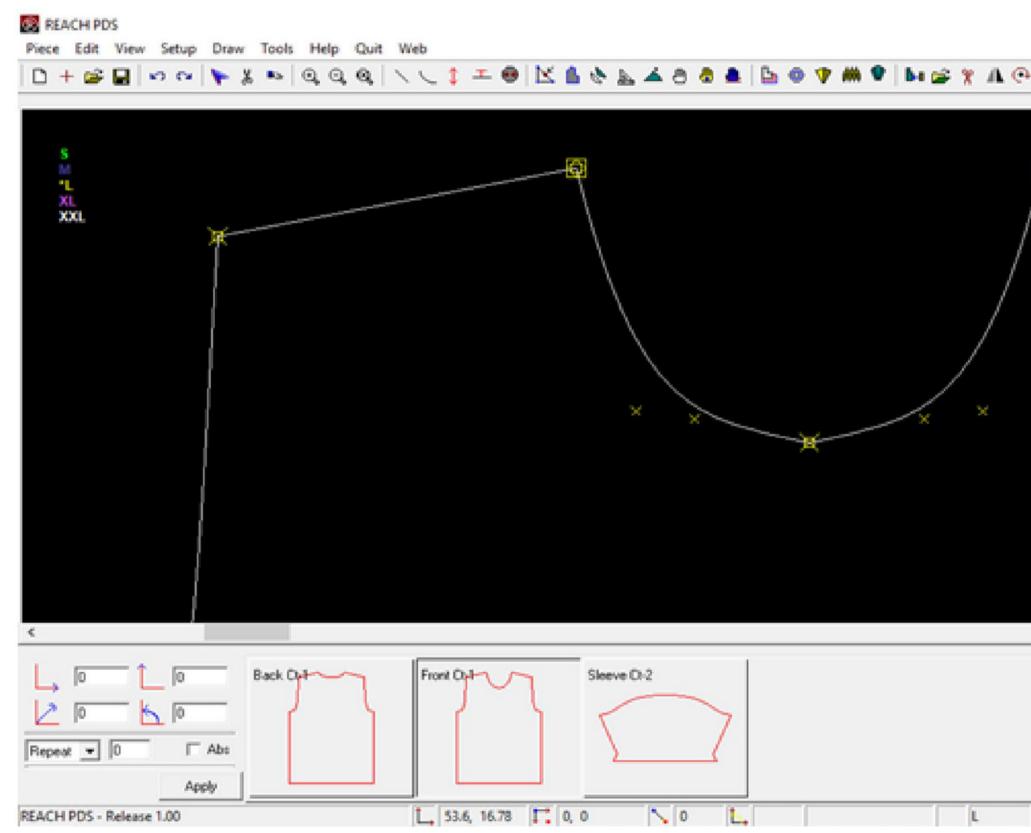
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STEP-006 CLICK '+ZOOM; AND ZOOM IN ON THE NECK PART.

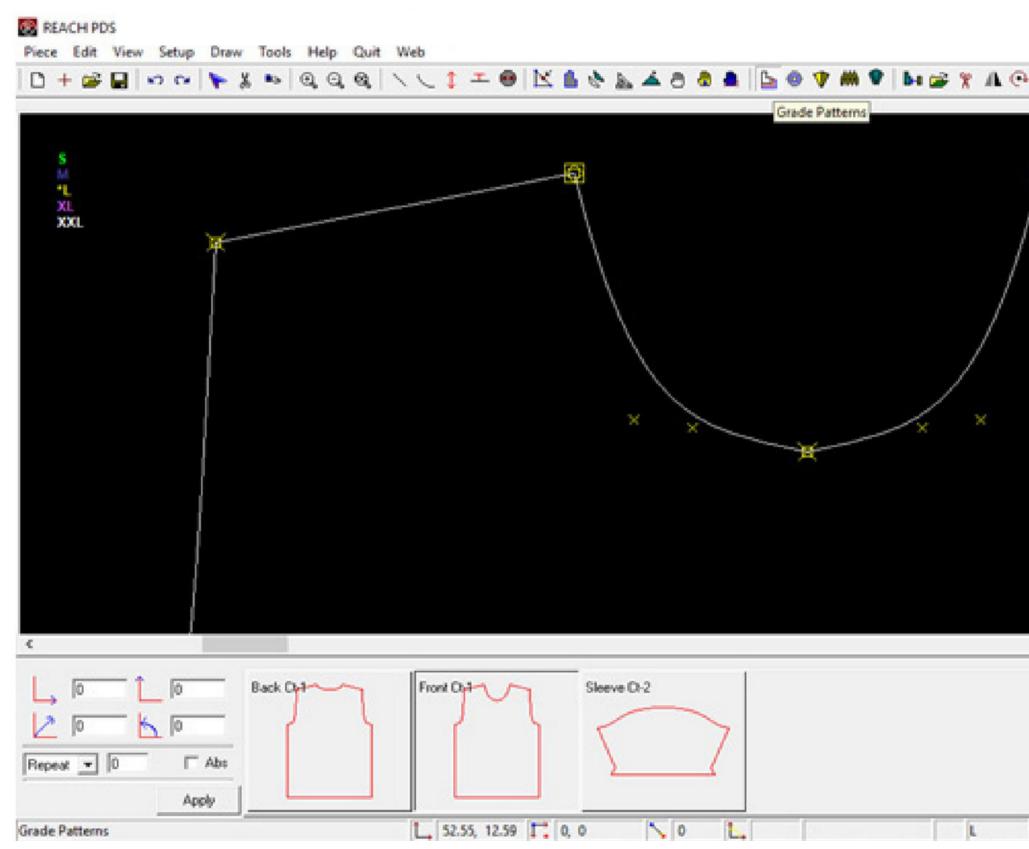


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STEP-007 CLICK ON GRADING TOOLS

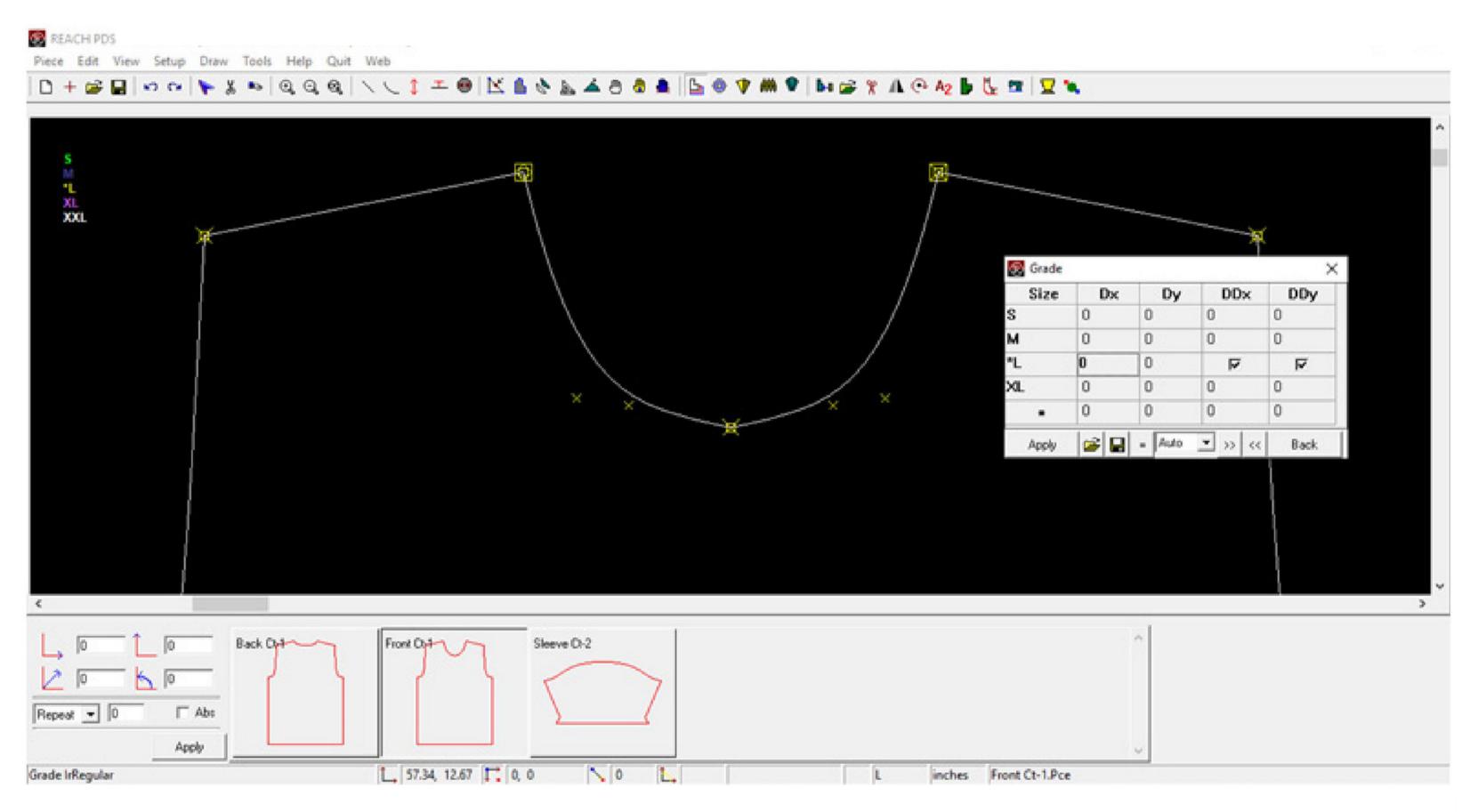


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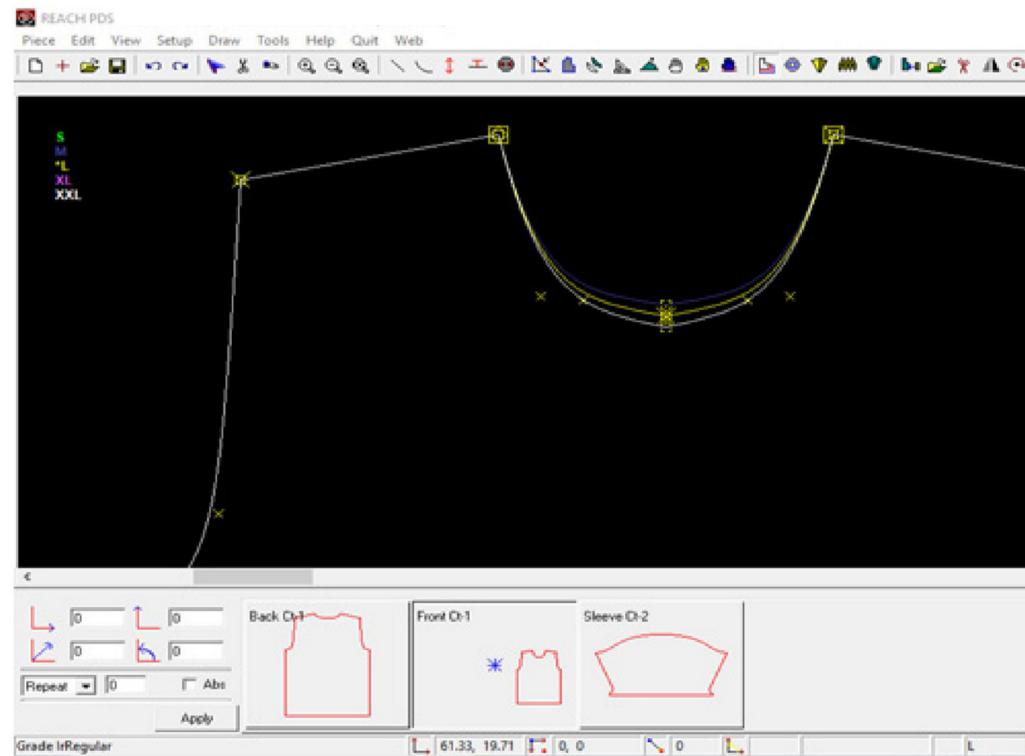
STEP-008 CLICK ON THE TABULAR TOOL ON THE RIGHT SIDE.



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STEP-009 CLICK ON THE NECK DROP POINT AND WRITE THE MEASUREMENT IN THE 'DDY' COLUMN IN THE TABLE AND APPLY.

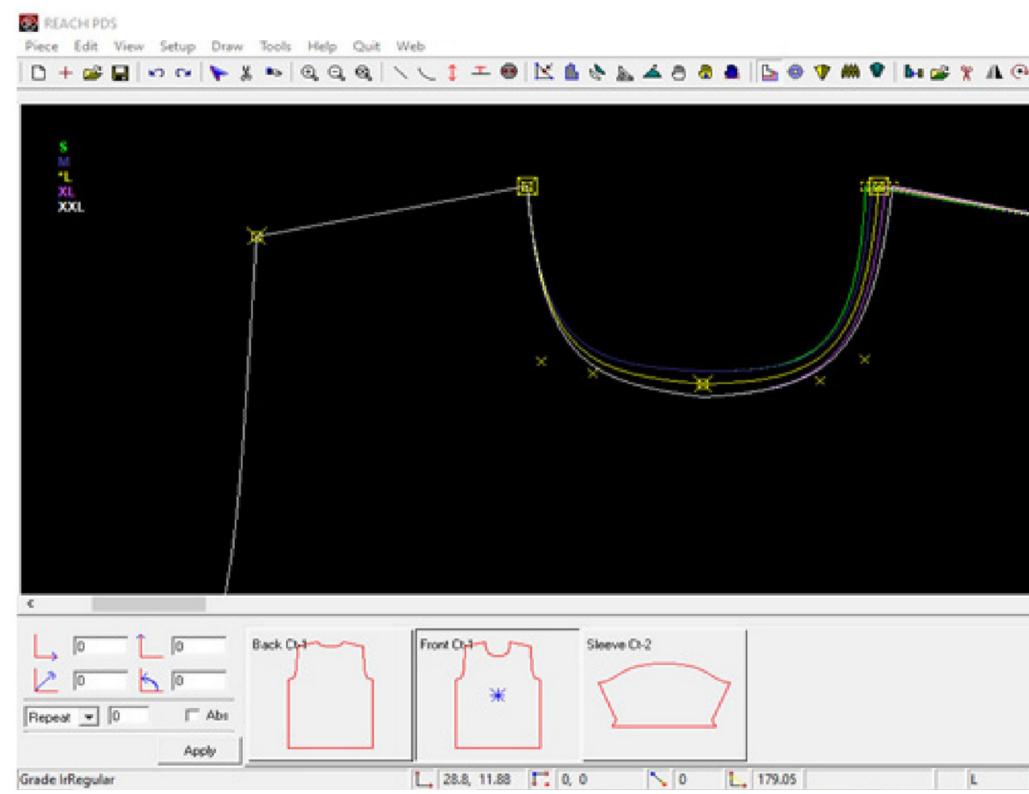


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STEP-010 click on the right point of Neck width blink and in the table input measurement $\frac{1}{2}$ DDX (.125) and click on APPLY

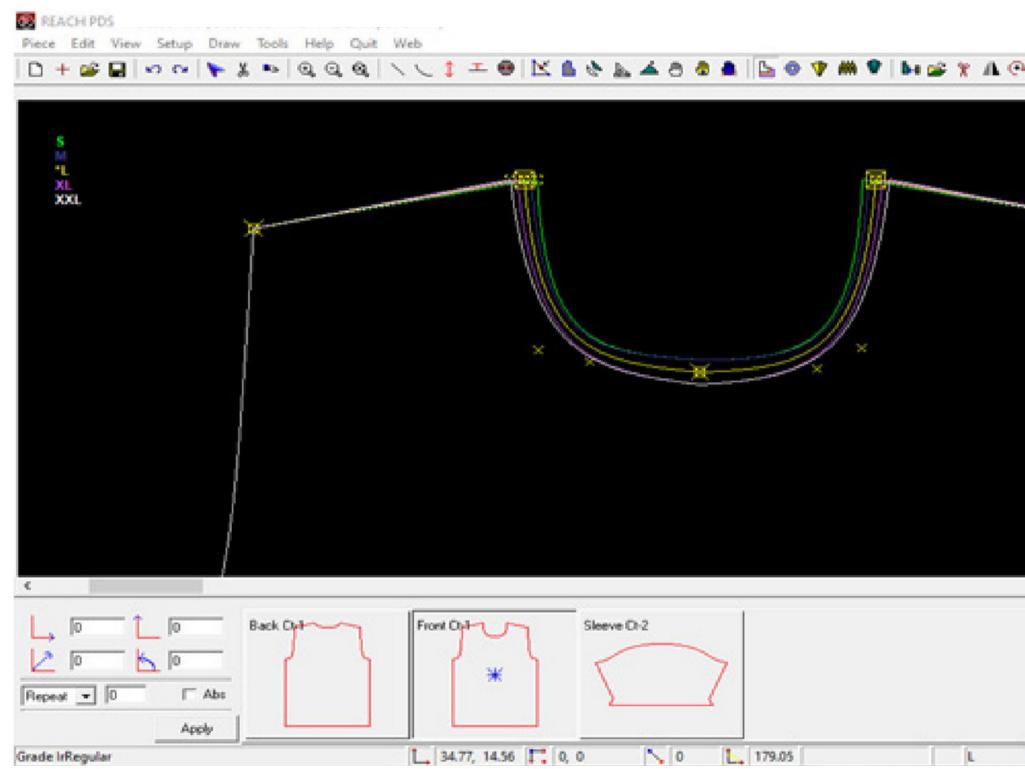


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STEP-011 CLICK ON NECK WIDTH LEFT POINT BLINK ON TABLE APPLY ON MEASUREMENT ½ DDX (-.125) APPLY

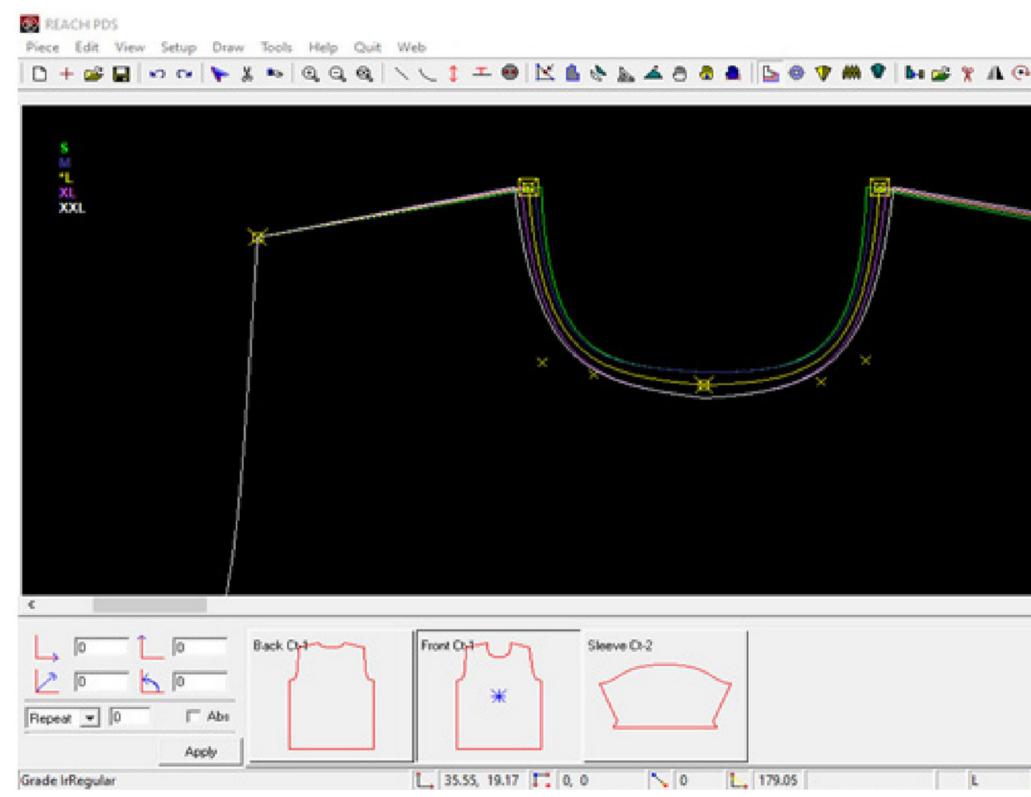


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STEP-012 CLICK ON THE SHOULDER POINT ON RIGHT SIDE AND APPLY THE MEASUREMENT IN DDX AS (.2T5)

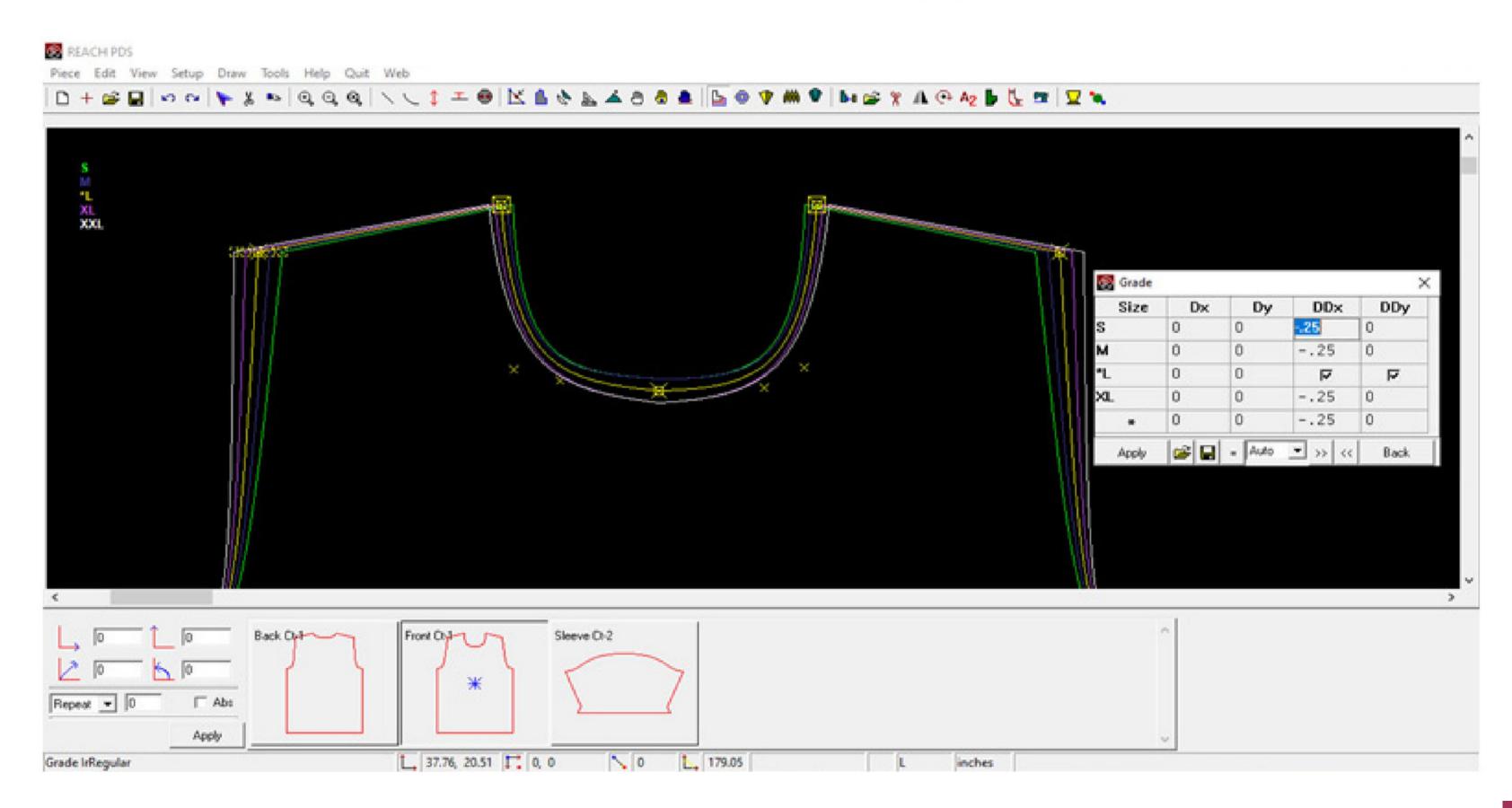


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STEP-013 CLICK ON THE SHOULDER POINT ON LEFT SIDE AND APPLY THE MEASUREMENT IN DDX AS (-.25)

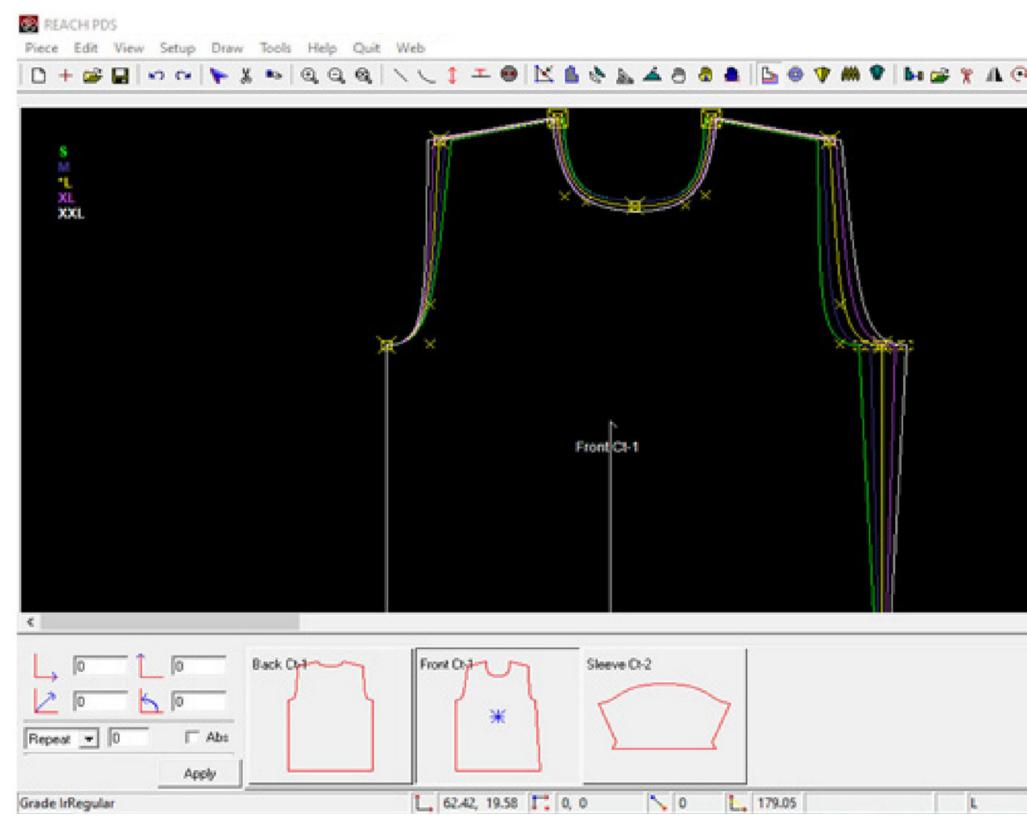


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STEP-014 CLICK ON RIGHT CHEST POINT AND APPLY MEASUREMENT OF (.5) IN DDX COLUMN AND APPLY



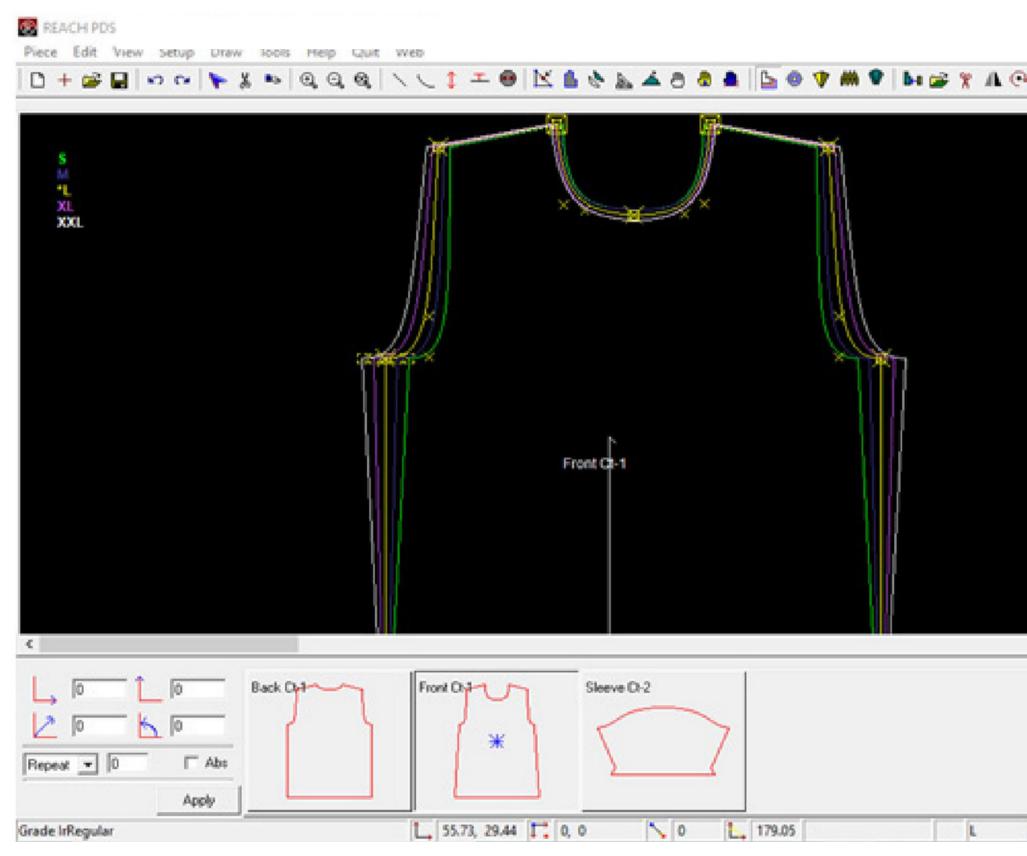
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$\frac{\text{STEP-015}}{\text{Click on the left chest point and enter measurement of (-.5) in the DDX column and apply}}$

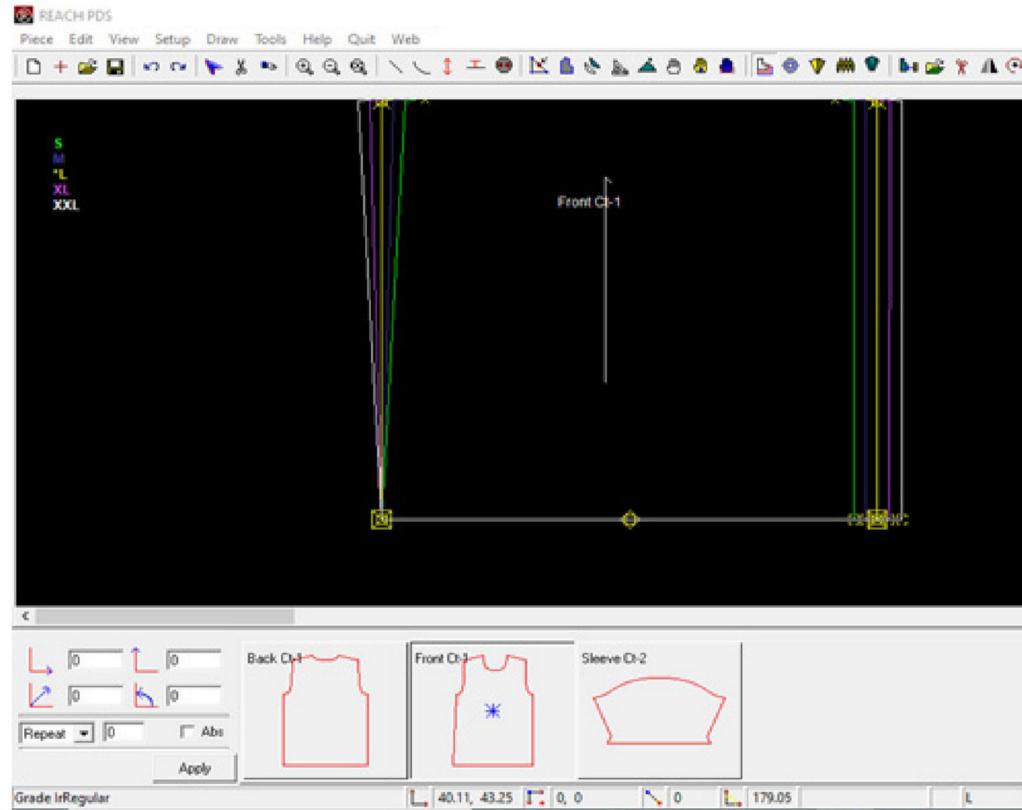


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STEP-016 CLICK ON THE LEFT POINT IN THE BOTTOM HALF AND ENTER A MEASUREMENT OF (.5) IN DDX COLUMN AND APPLY.

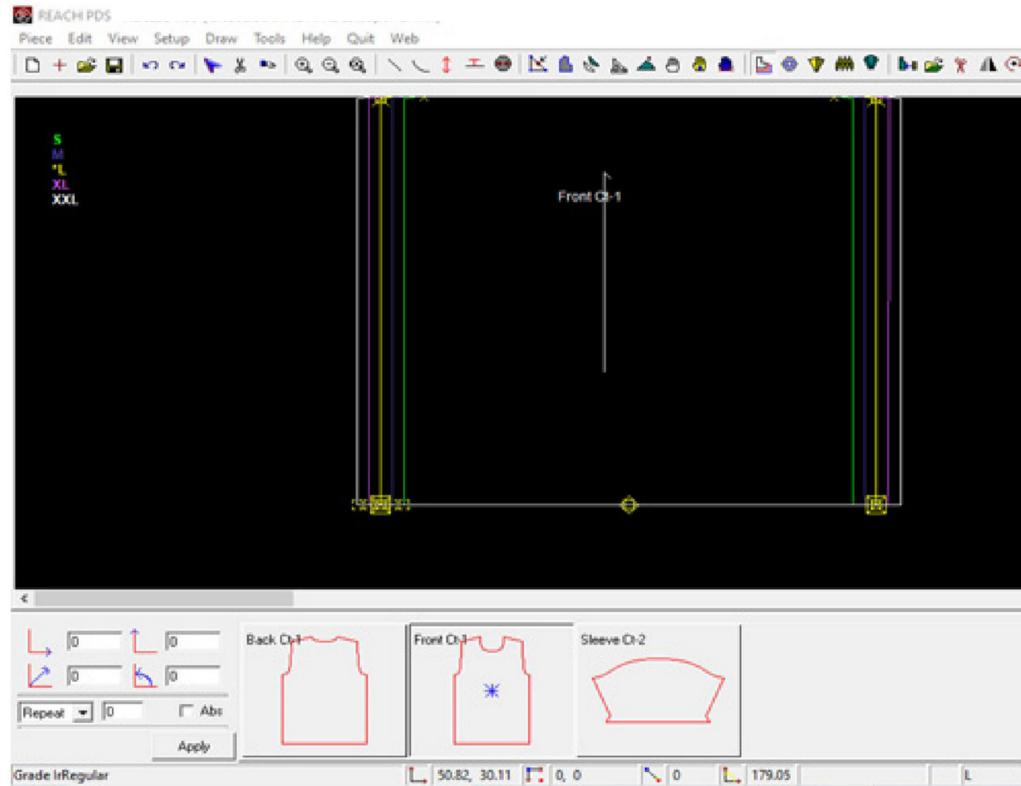


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STEP-017 CLICK ON THE RIGHT POINT IN THE BOTTOM HALF AND APPLY MEASUREMENT OF (-.5) IN THE DDX COLUMN AND APPLY.



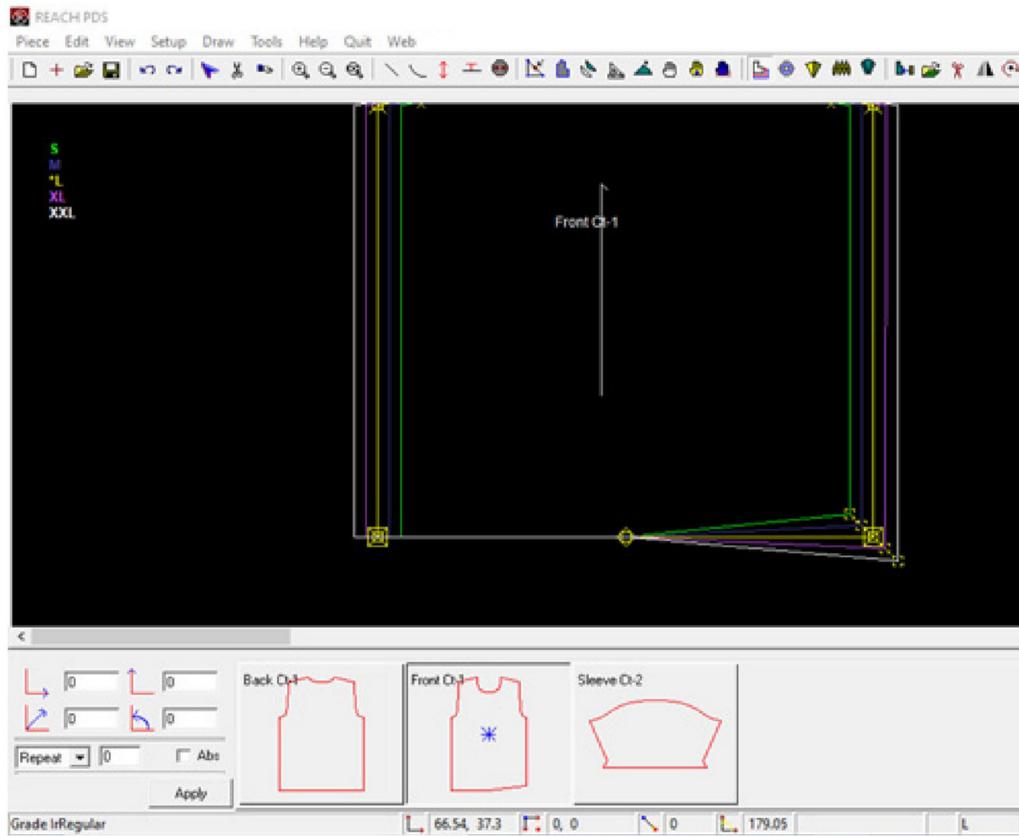
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STEP-018

CLICK ON THE POINT IN RIGHT SIDE OF BOTTOM HALF AND APPLY A LENGTH MEASUREMENT OF .5 IN THE DDY COLUMN AND APPLY.

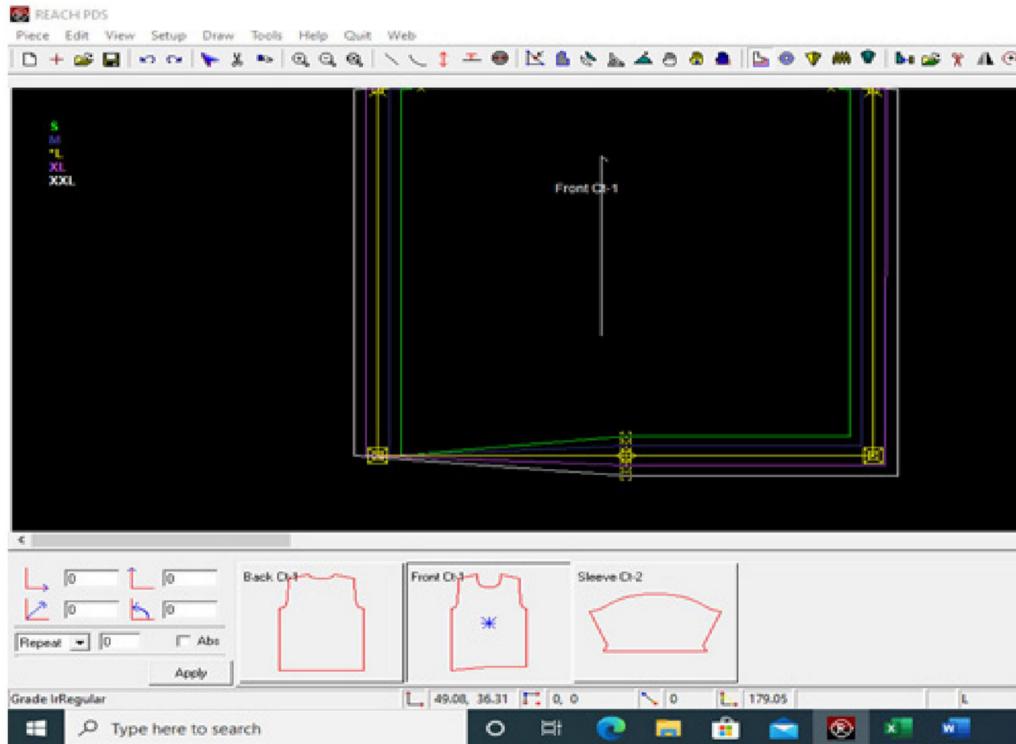


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STEP-019 CLICK ON THE CENTER POINT IN BOTTOM AND APPLY A LENGTH MEASUREMENT OF .5 IN THE DDY COLUMN AND APPLY.

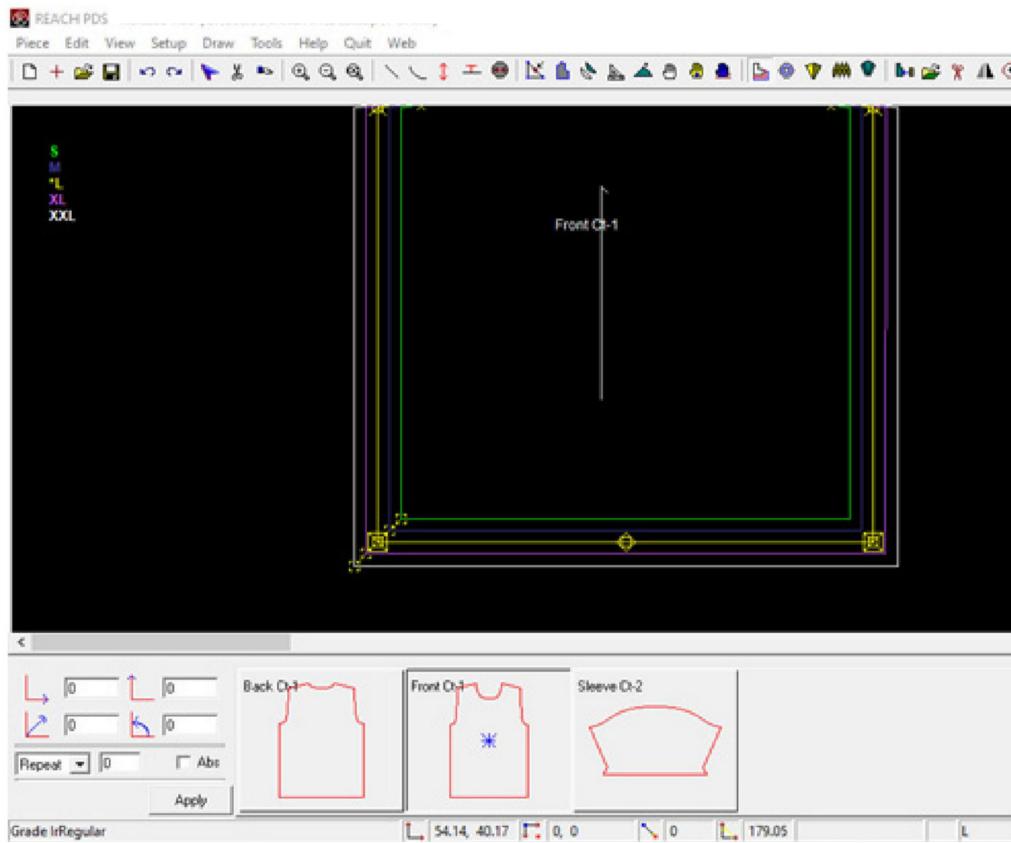


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STEP-020 CLICK ON THE LEFT POINT IN BOTTOM AND APPLY A LENGTH MEASUREMENT OF .5 IN THE DDY COLUMN AND APPLY.

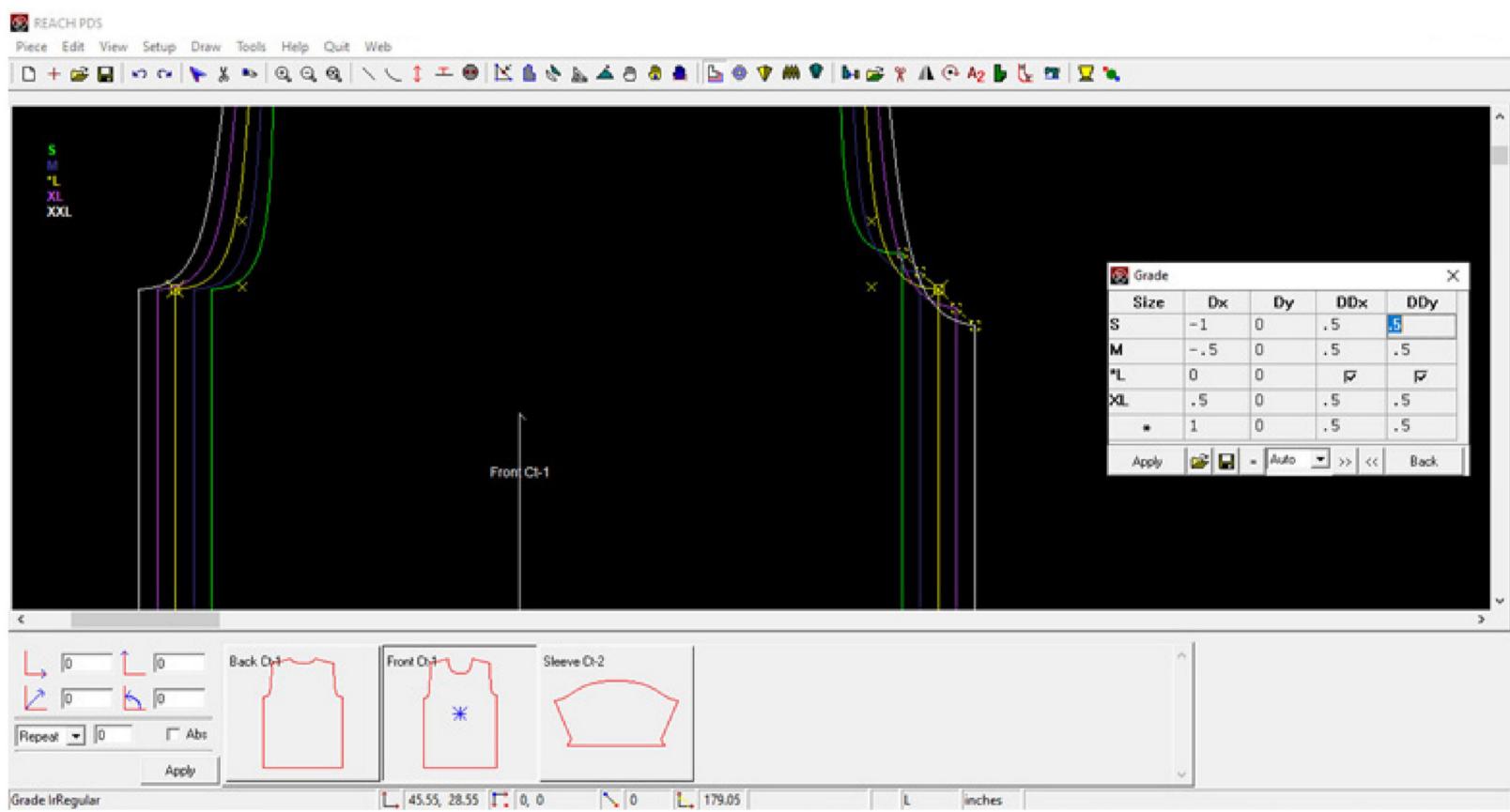


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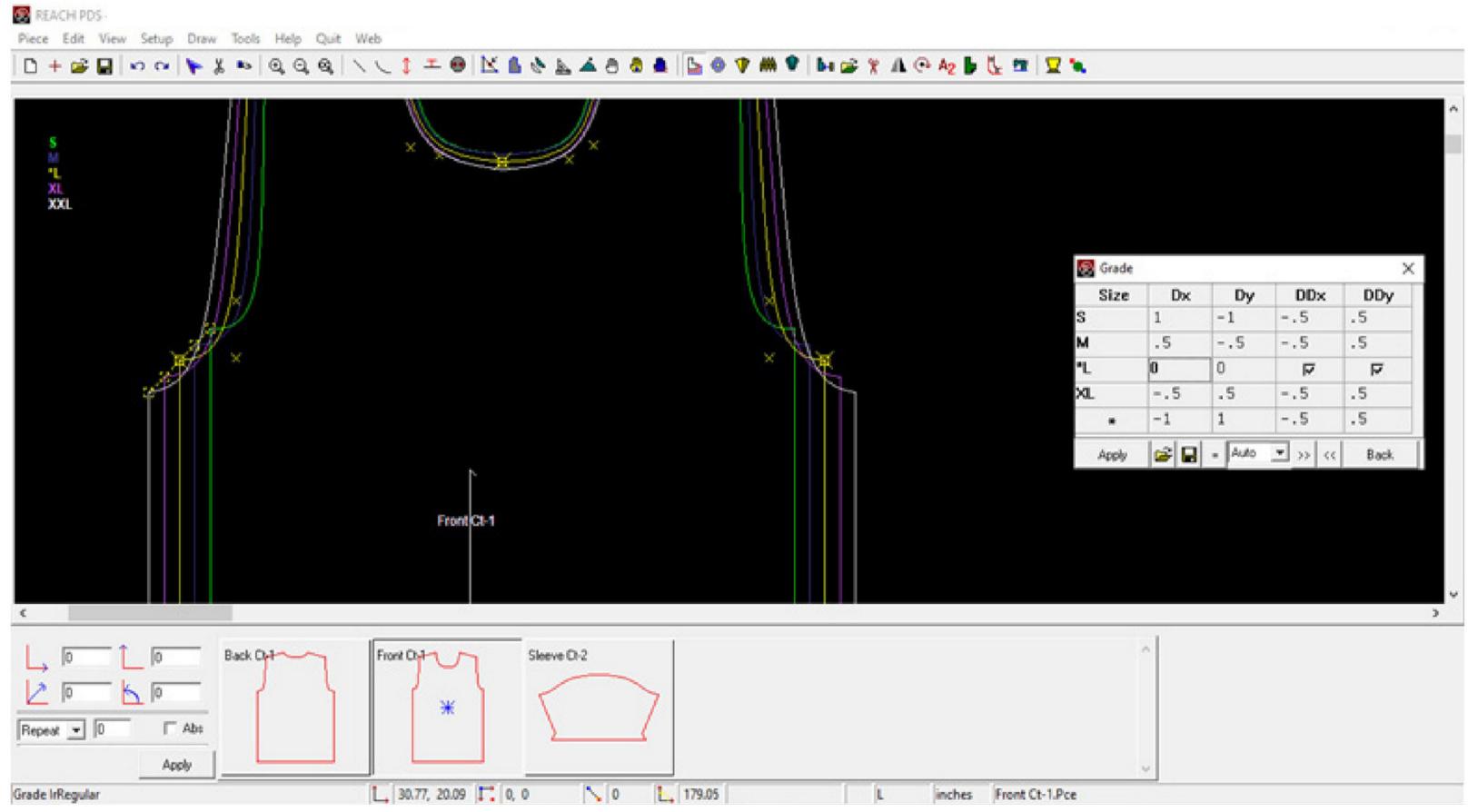


STEP-021 ZOOM TO CHEST POINT AND APPLY AN ARMHOLE MEASUREMENT OF DDY (0.5)



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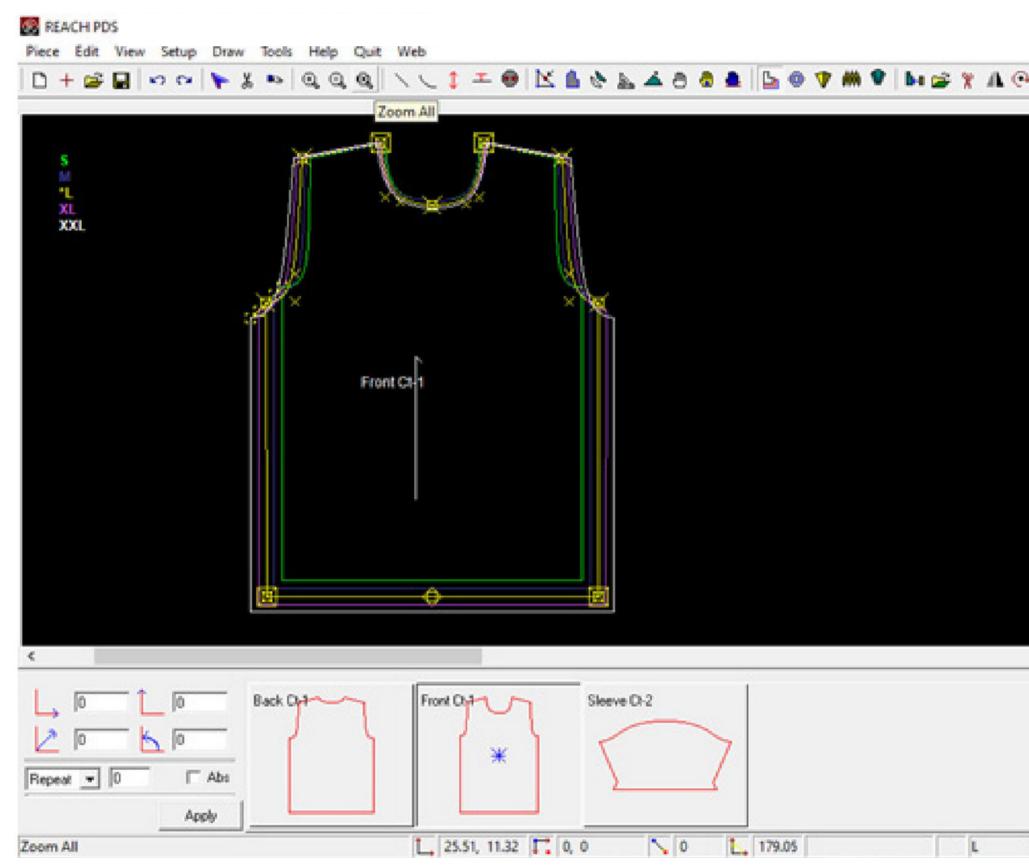
STEP-022 DO THE SAME FOR THE LEFT SIDE



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STEP-23 CLICK ON 'ZOOM ALL' TO SEE ALL OF THE FRONT PATTERN.

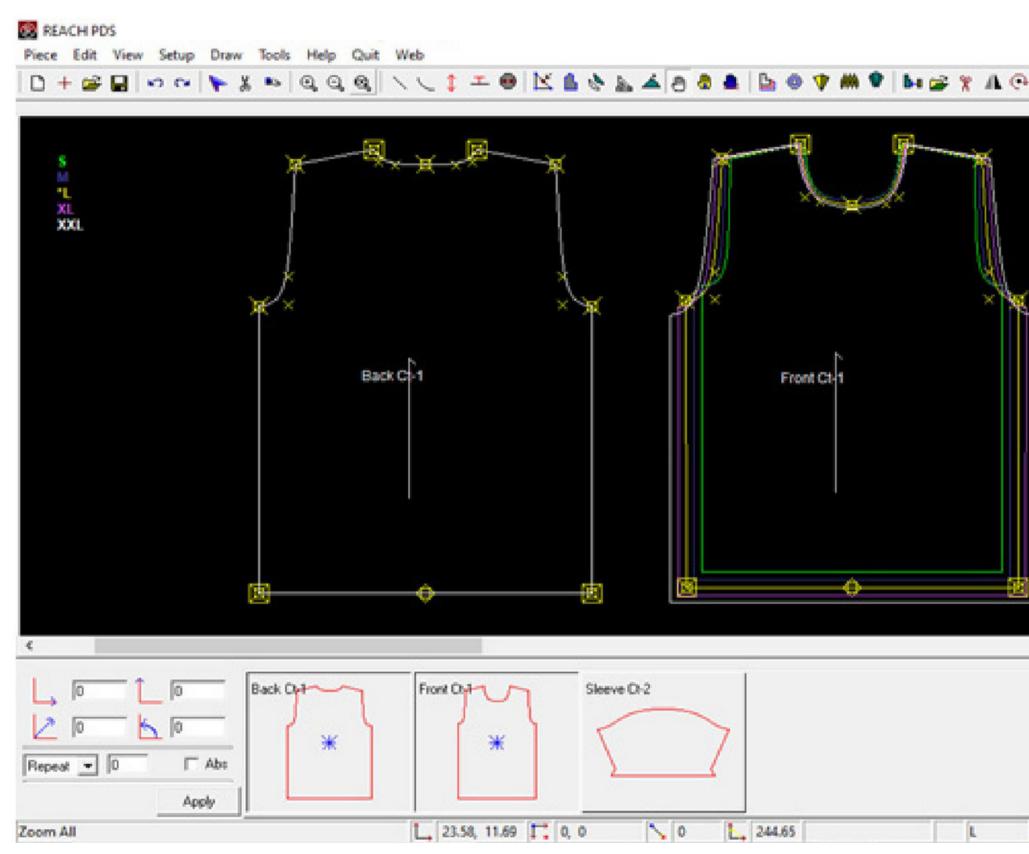


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STEP-024 CLICK ON THE BACK PATTERN.

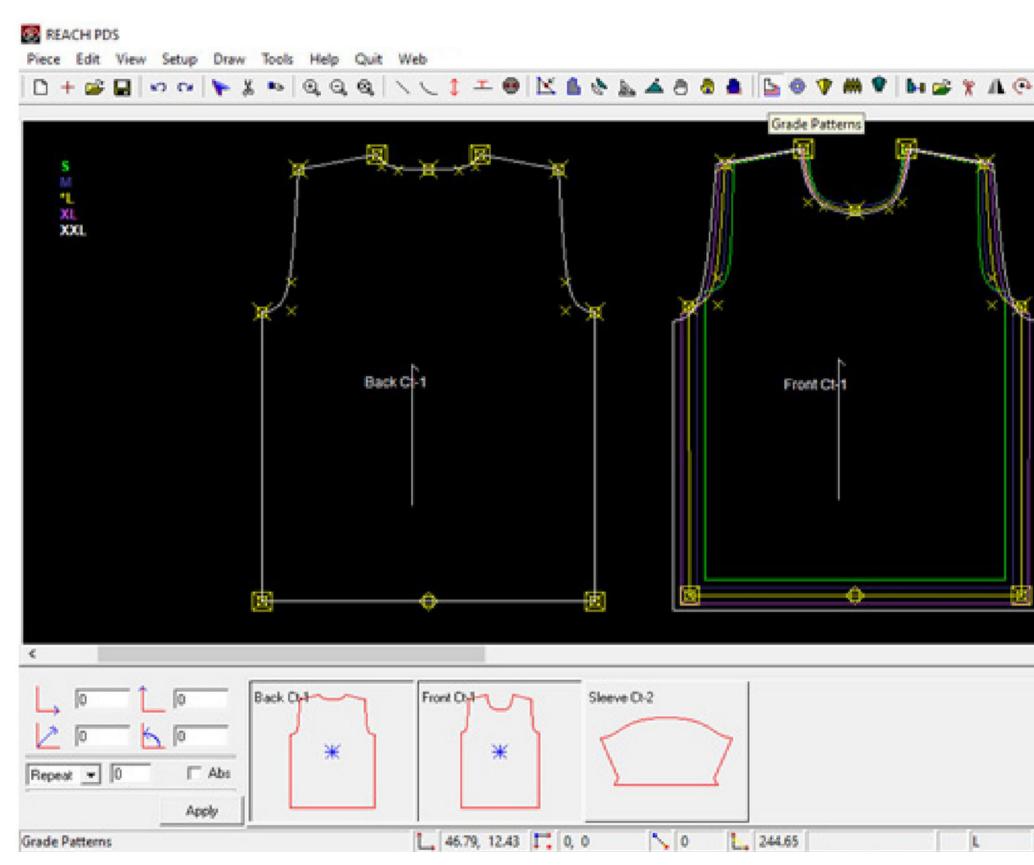


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STEP-025 go to grading tools.

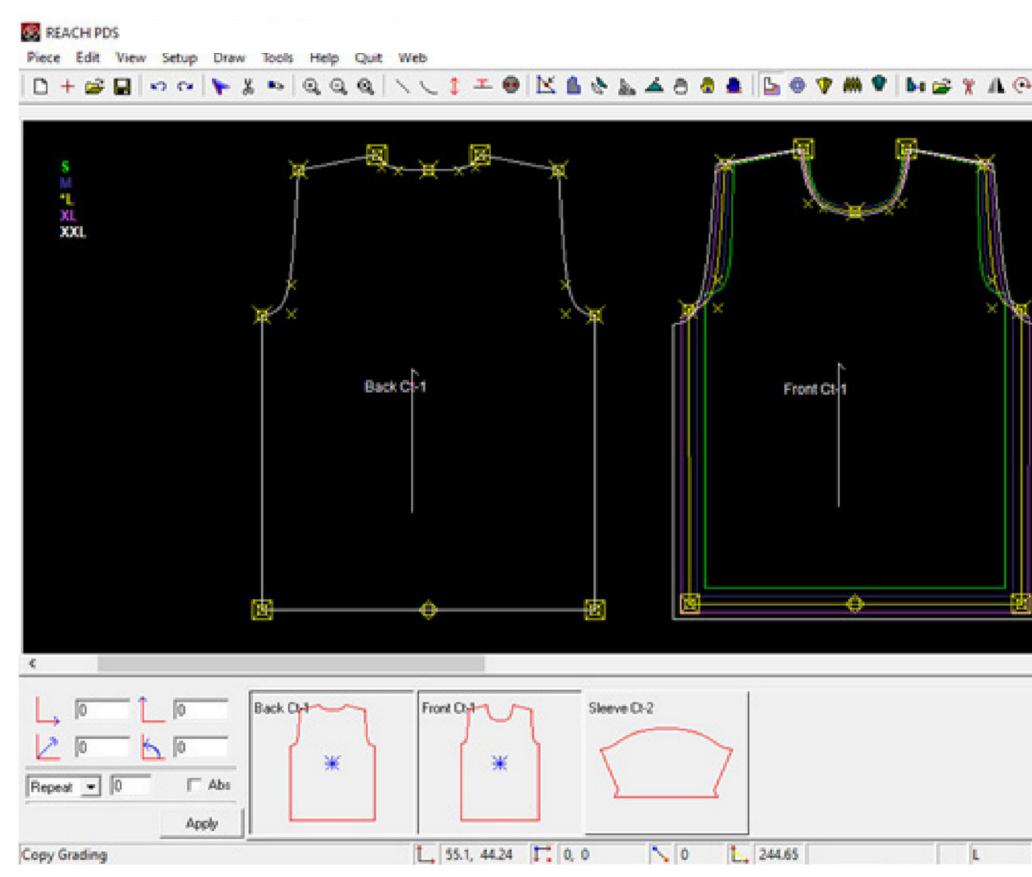


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STEP-026 IN THE SUBMENU ON THE RIGHT SIDE CLICK ON COPY TOOL

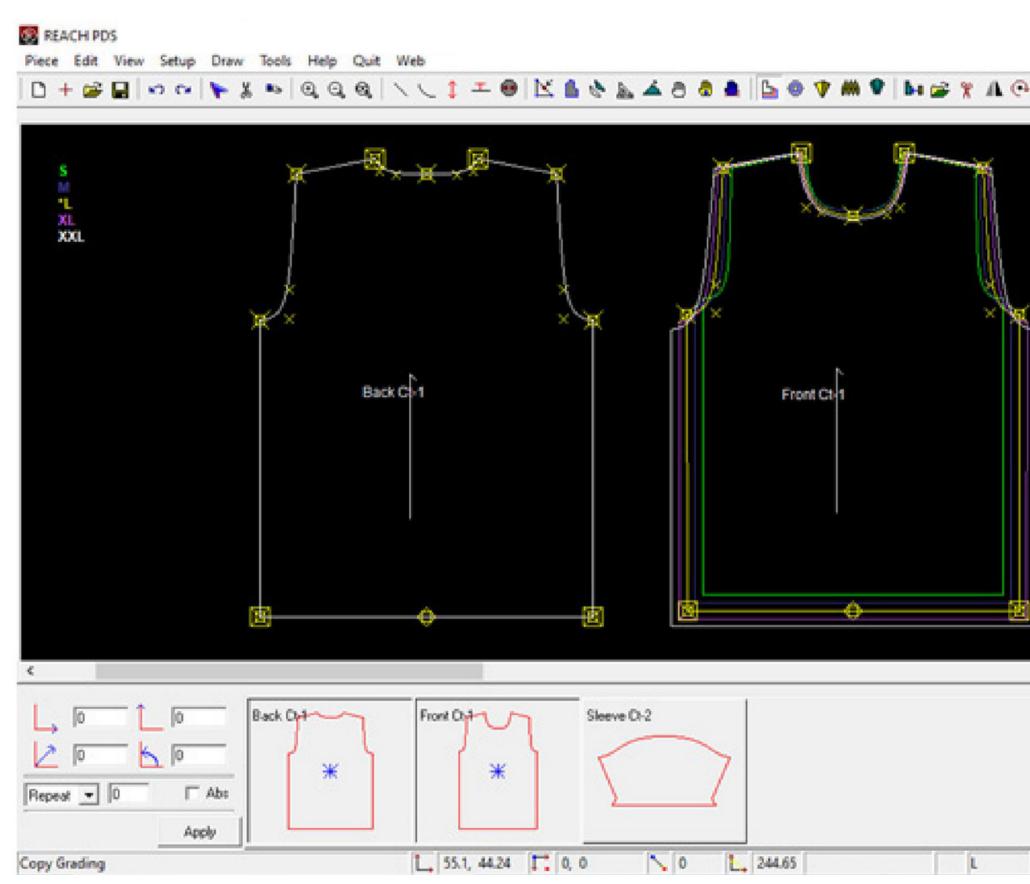


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STEP-027 CHANGE SOURCE AND DESTIN TO PIECE POINT AND APPLY THE CHANGES.

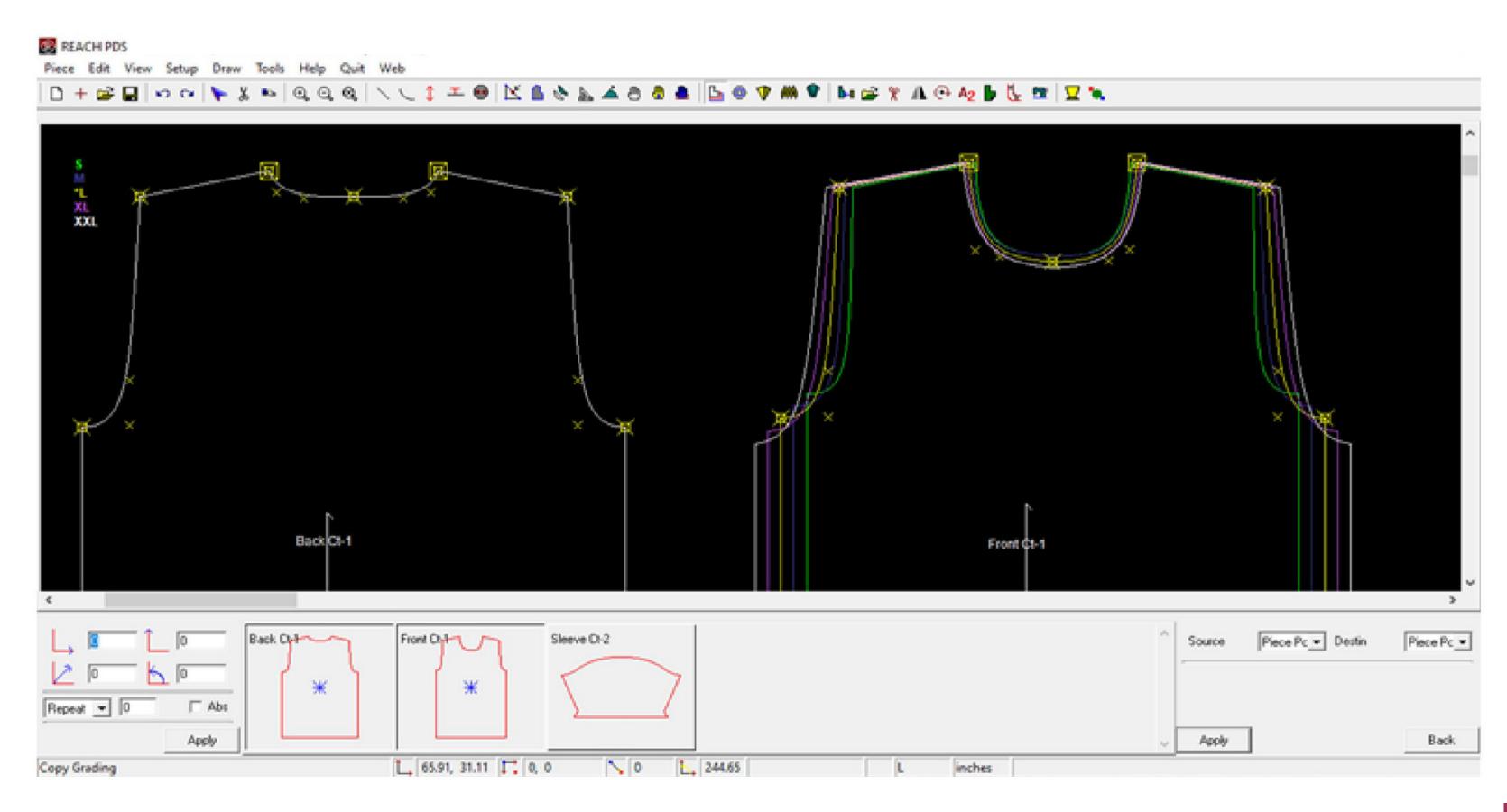


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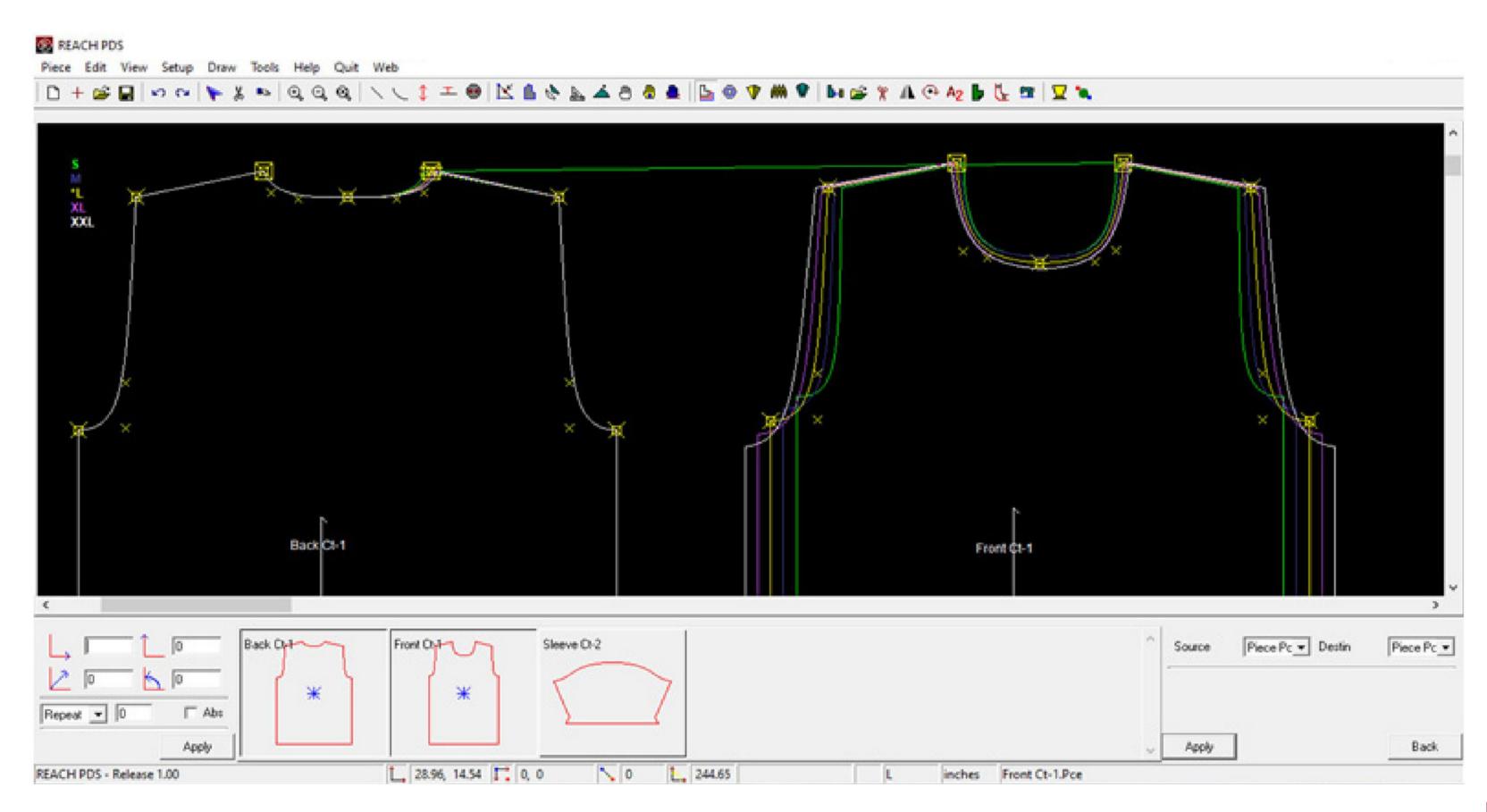
STEP-028 ZOOM TO BACK AND FRONT NECK PART



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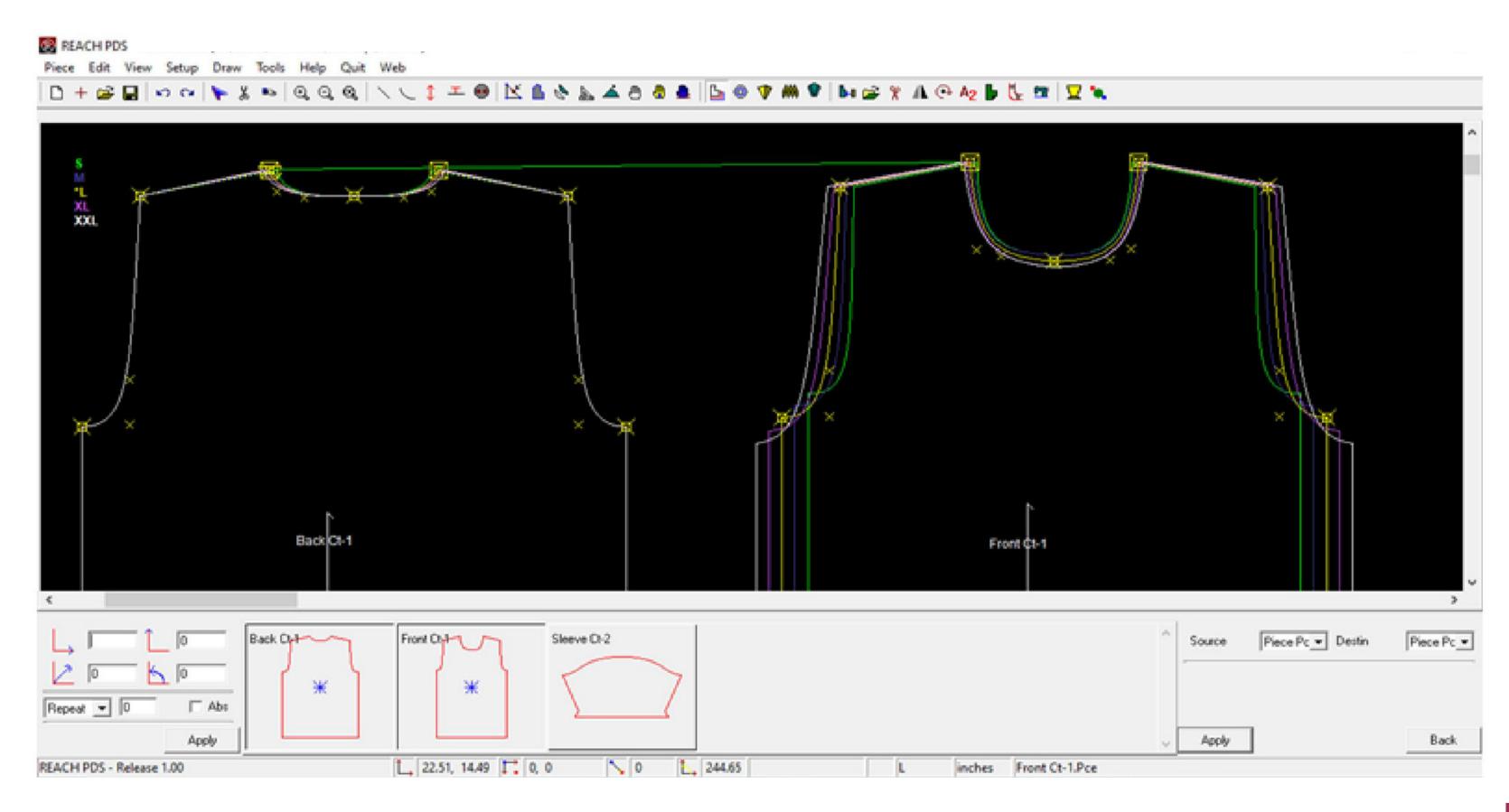
STEP-029 CLICK ON FRONT NECK POINT AND JOIN IT TO BACK NECK POINT



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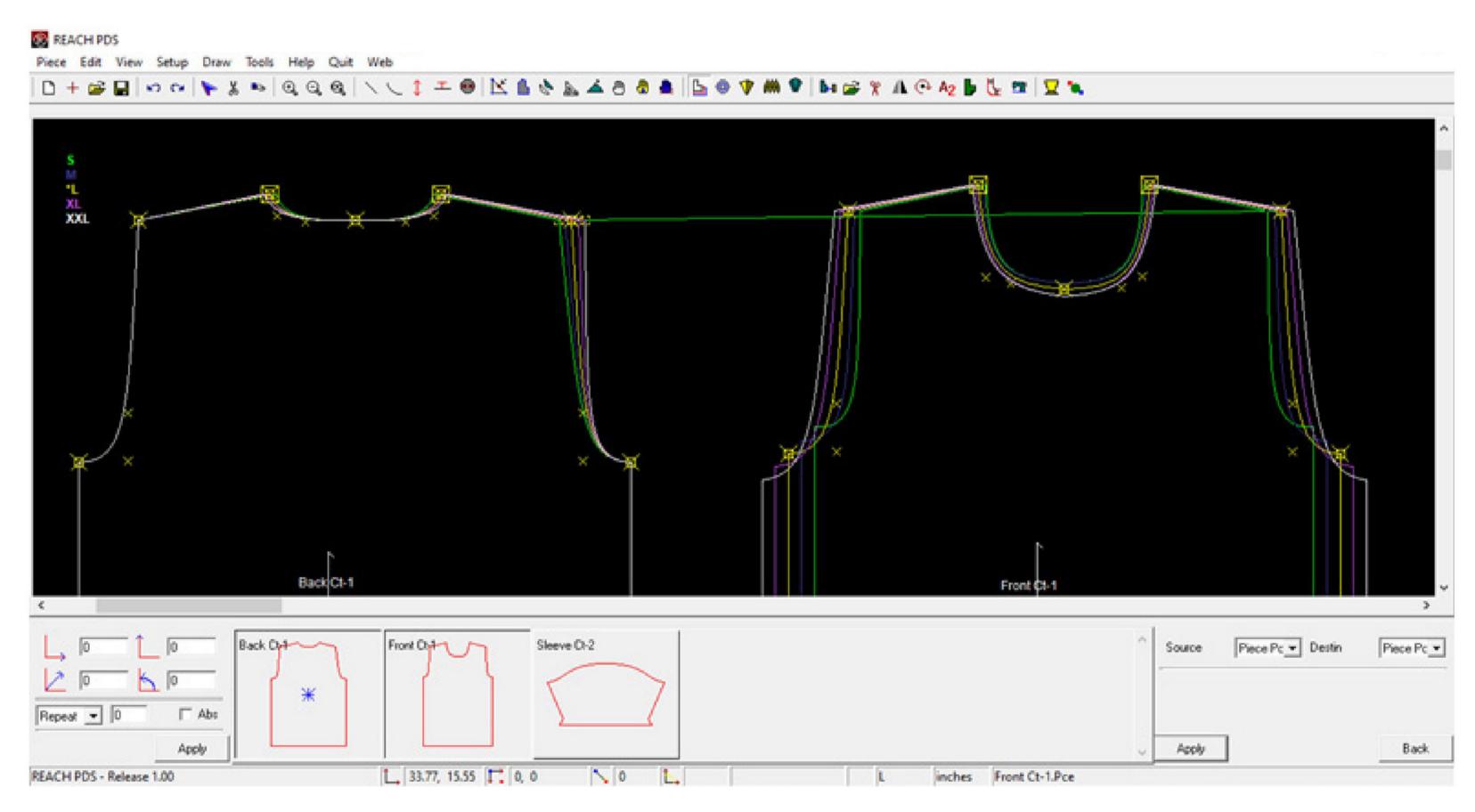
STEP-030 Do the same for left side NECK POINT



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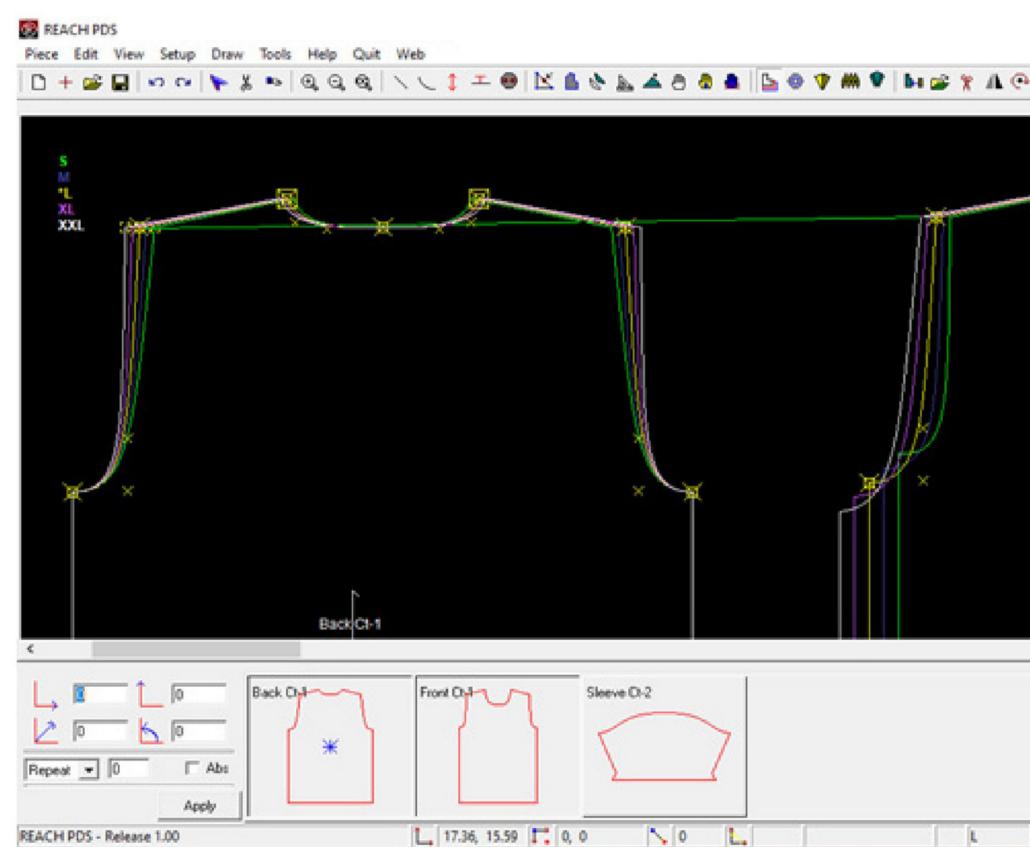
STEP-03 I JOIN FRONT SHOULDER POINT TO BACK POINT SIMILARLY



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STEP-032 Use the same method for left side shoulder point

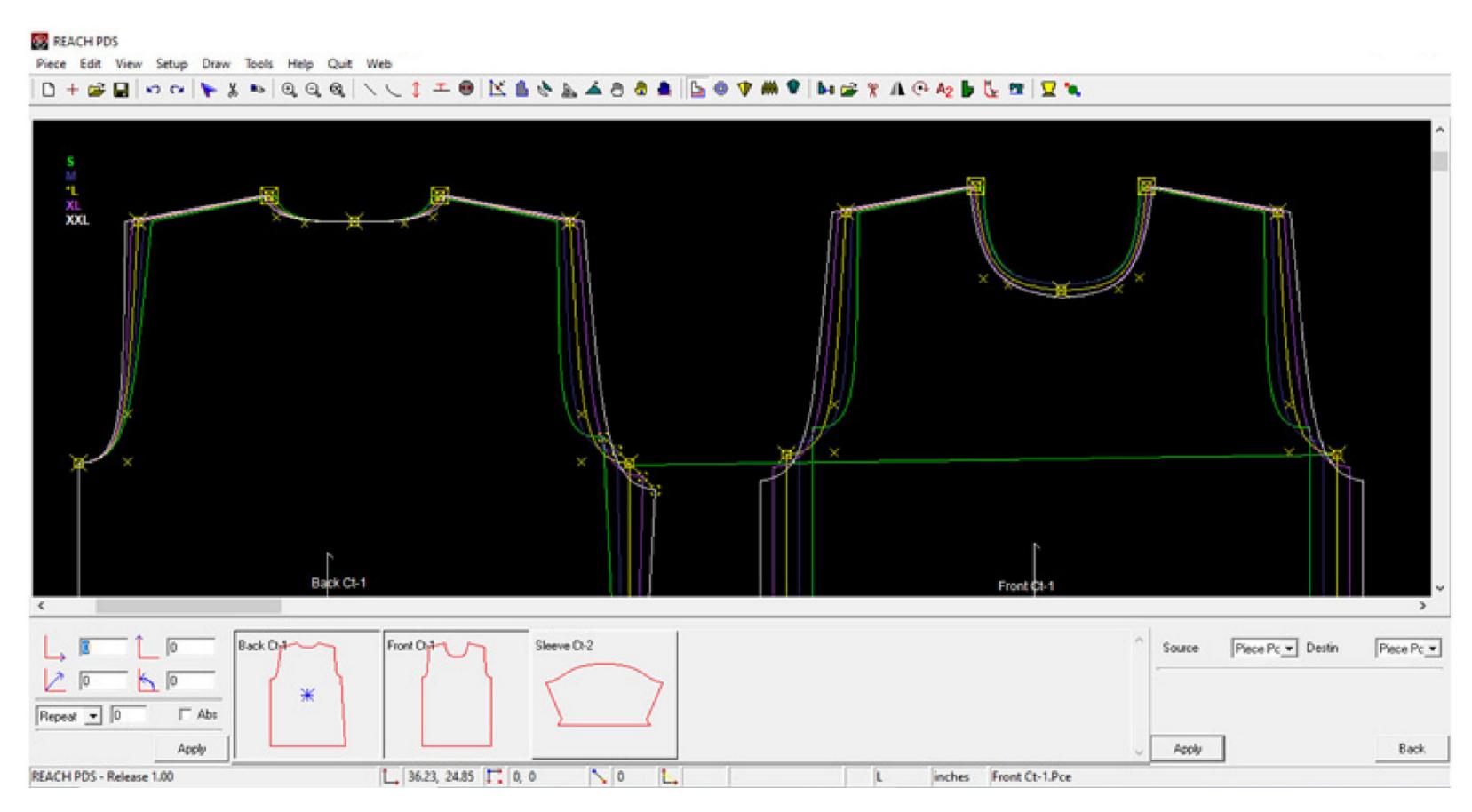


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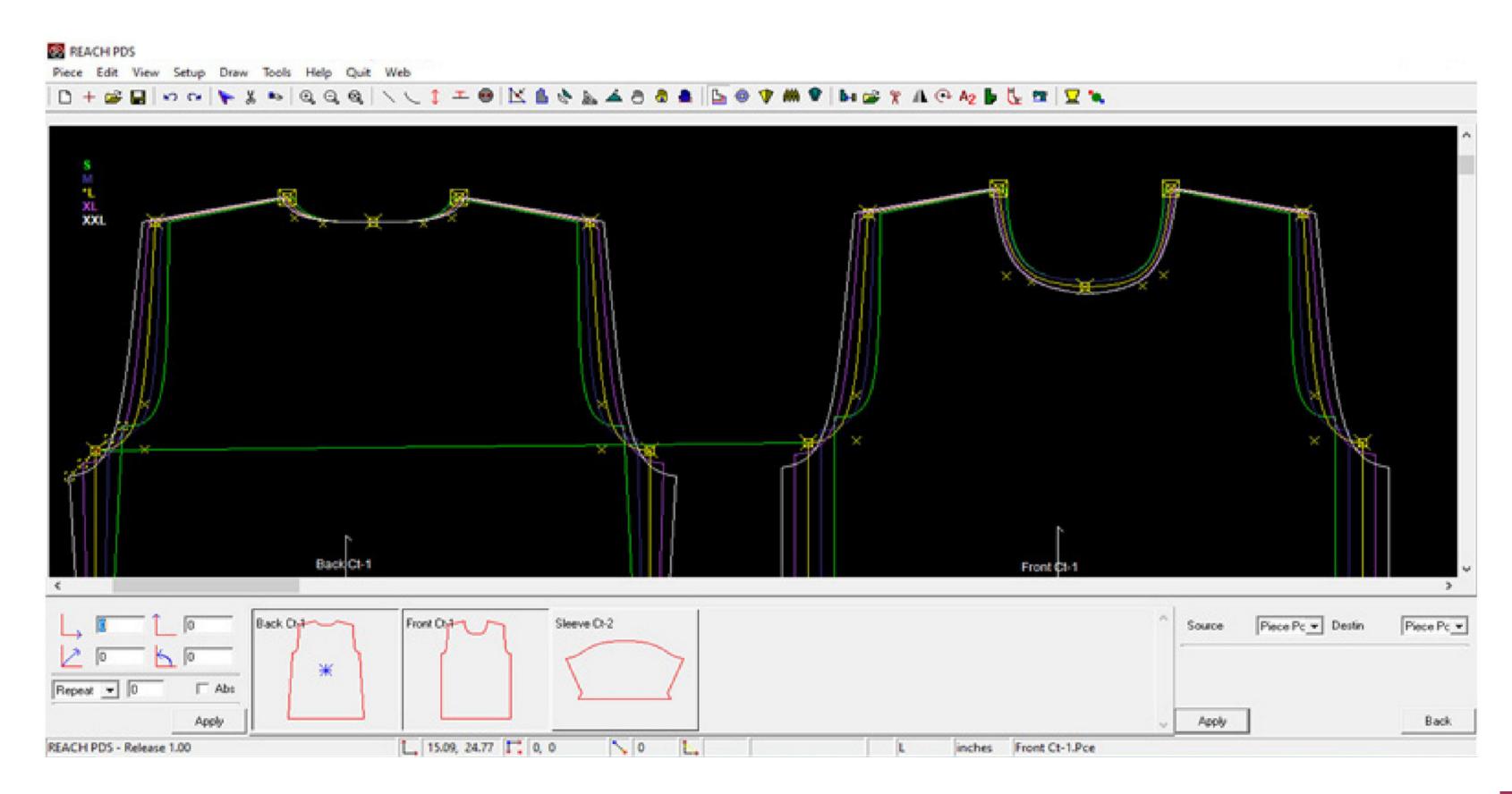
STEP-033 COPY THE ARMHOLE & CHEST POINT TO BACK PATTERN POINT



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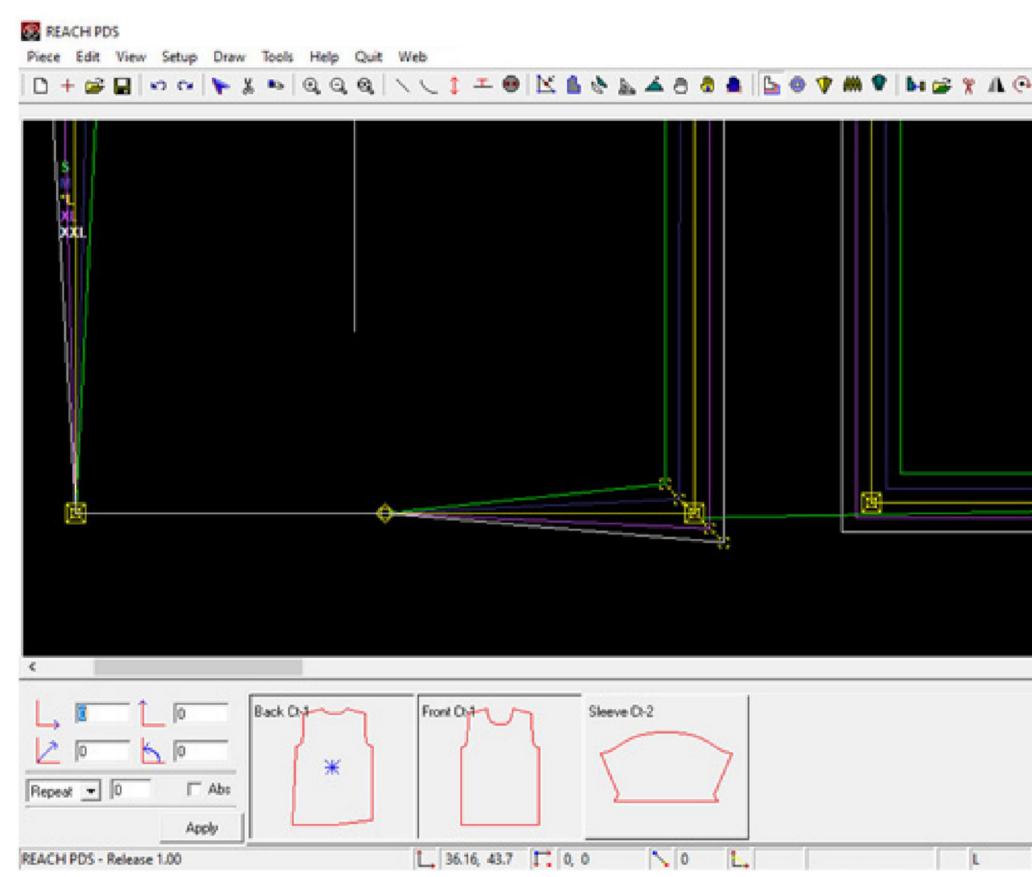
STEP-034 Use the same method for opposite side.



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STEP-035 COPY FRONT BOTTOM POINT TO BACK BOTTOM POINT

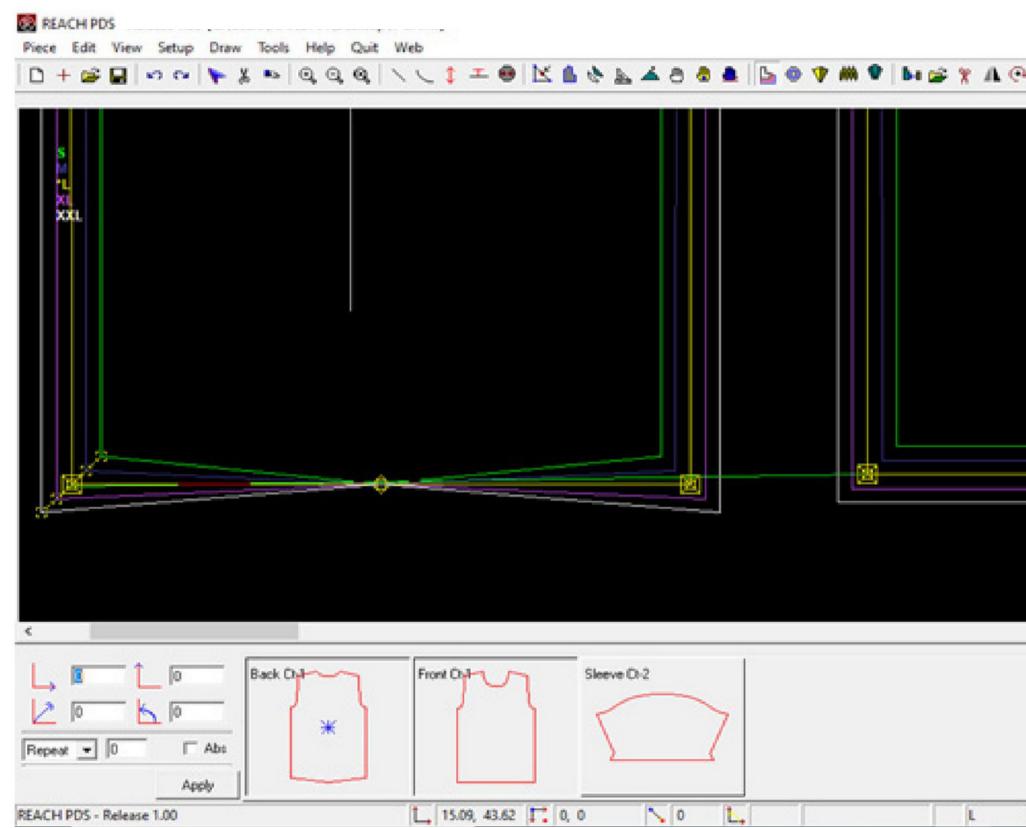


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STEP-036 Do the same for left side bottom point.

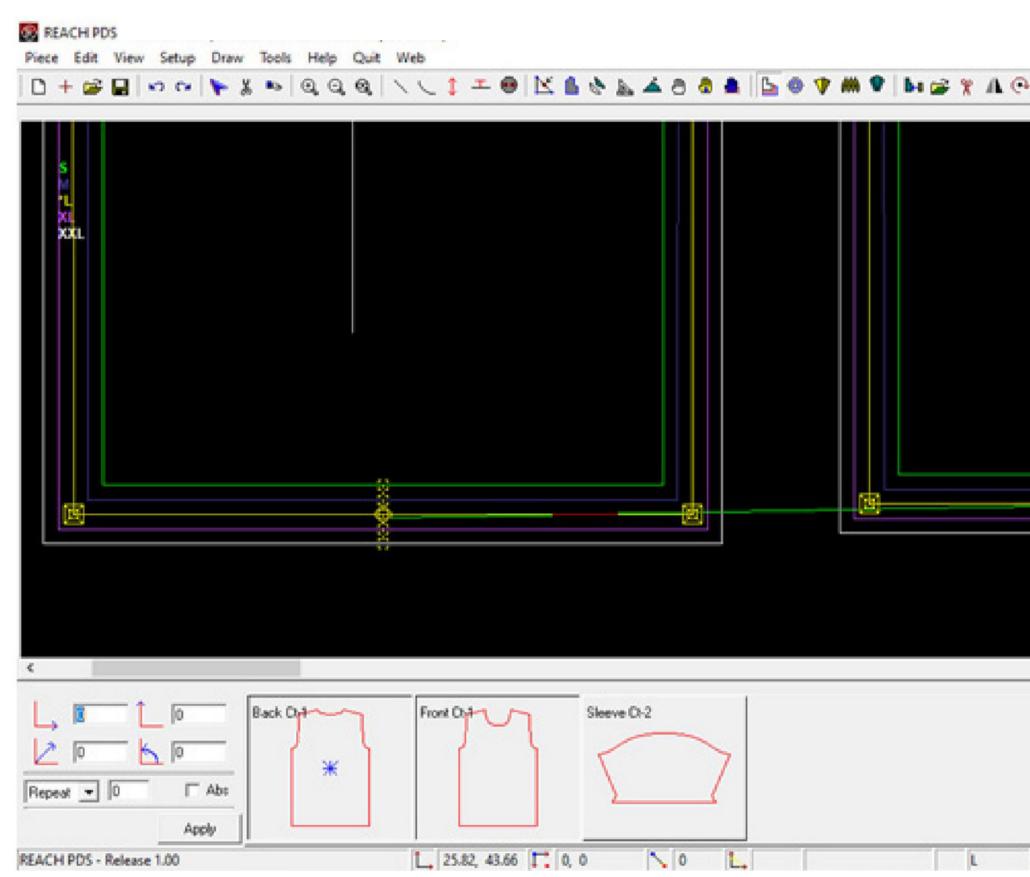


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| inches Front Ct-1.Pce | ~ | Apply | | | | Back |



STEP-037 COPY THE CENTER POINTS.

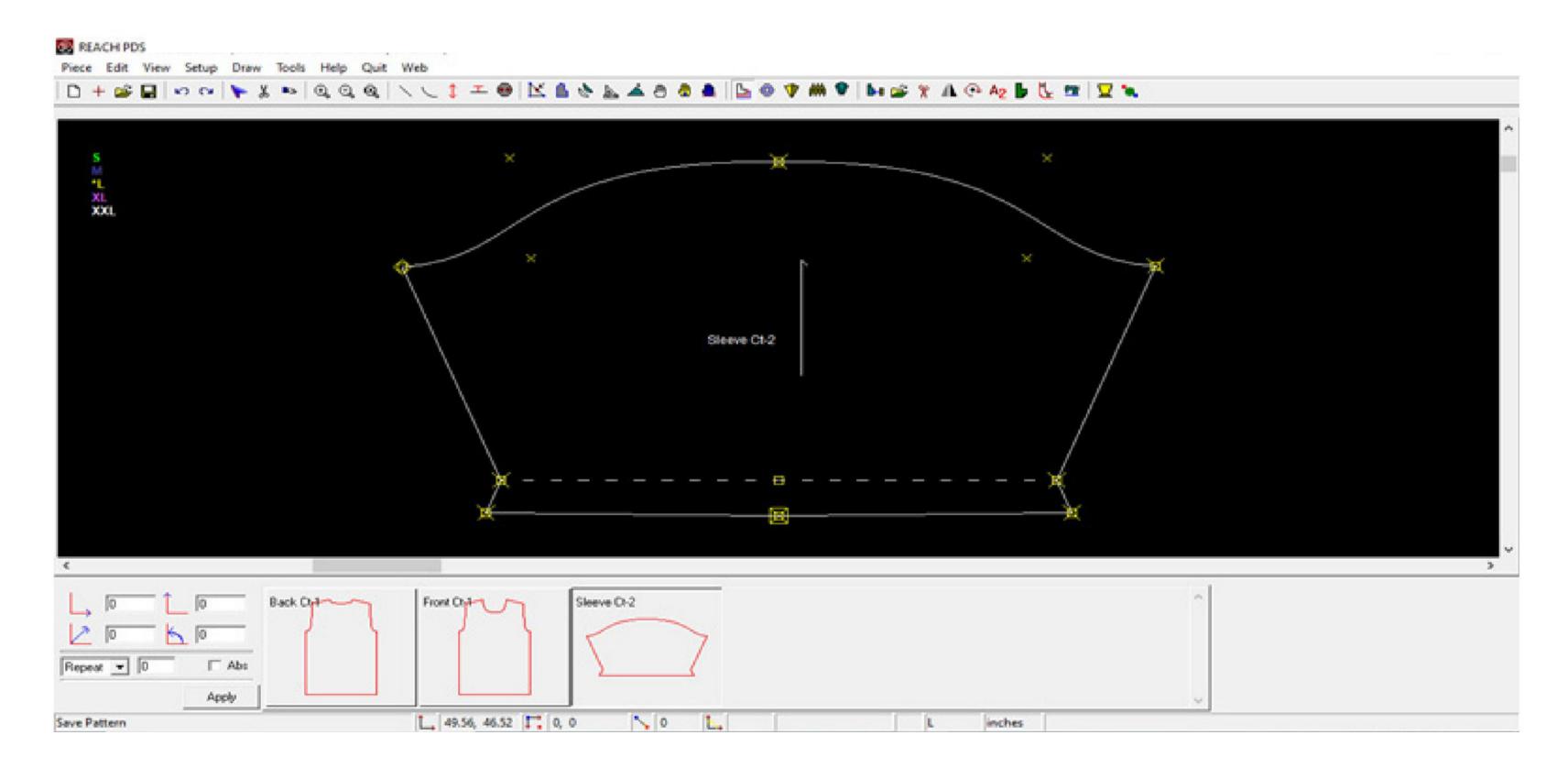


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| ~ | Apply | | | Back. |



STEP-038 NEXT CLICK ON THE SLEEVE PATTERN

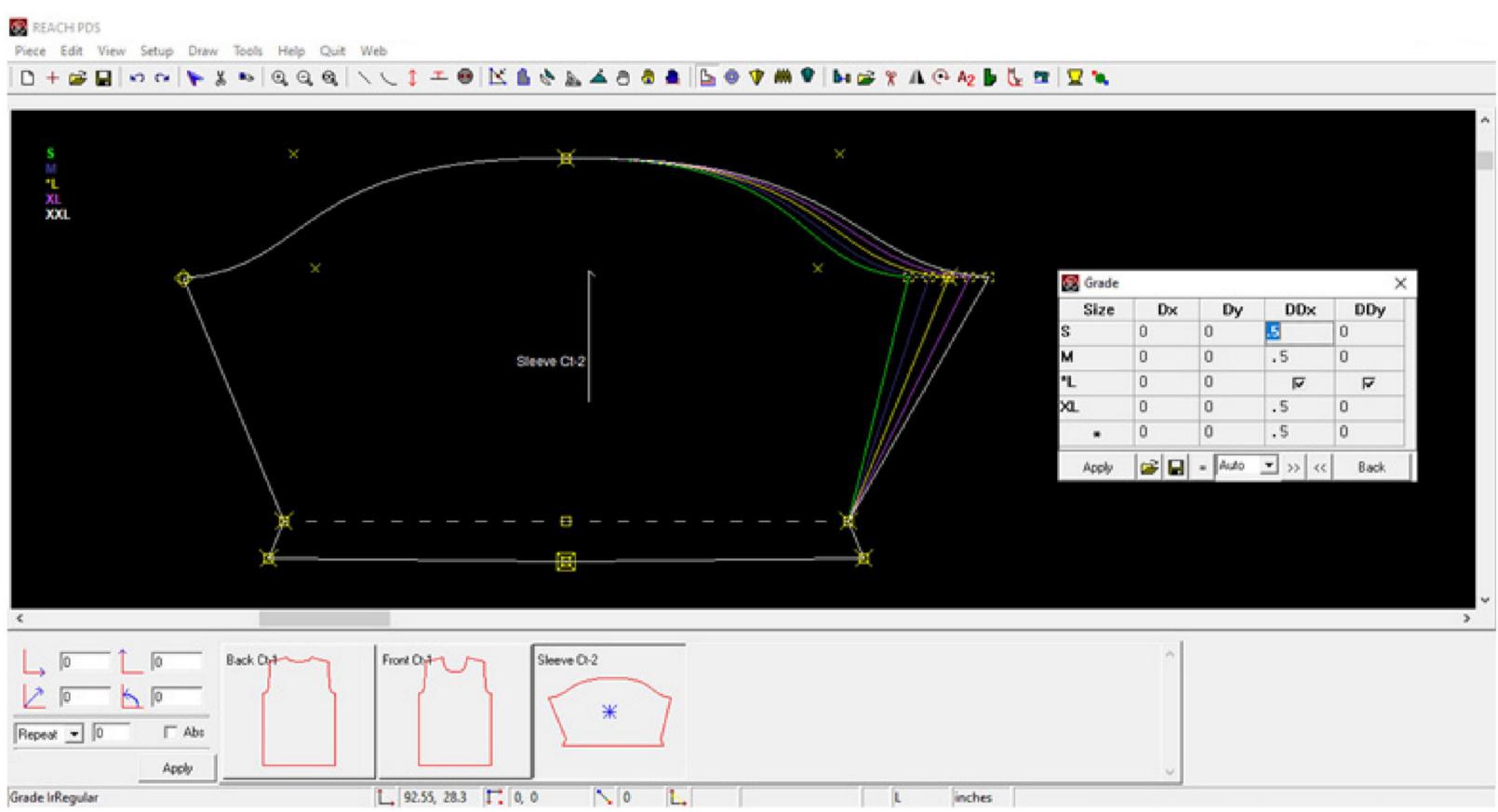


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STEP-039

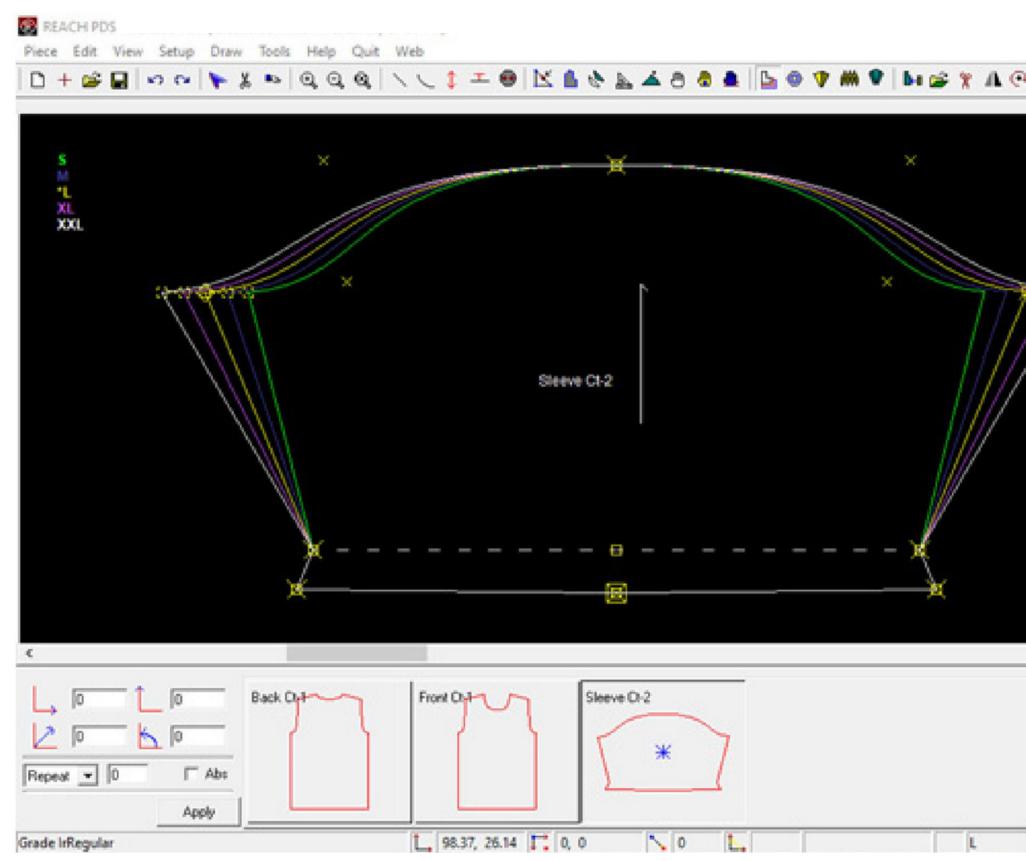
CLICK ON TABULAR TOOL RIGHT SIDE ARMHOLE POINT NEXT APPLY TO DDX 0.5 APPLY



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STEP-040 APPLY THE SAME METHOD ON LEFT SIDE SLEEVE ARMHOLE POINT

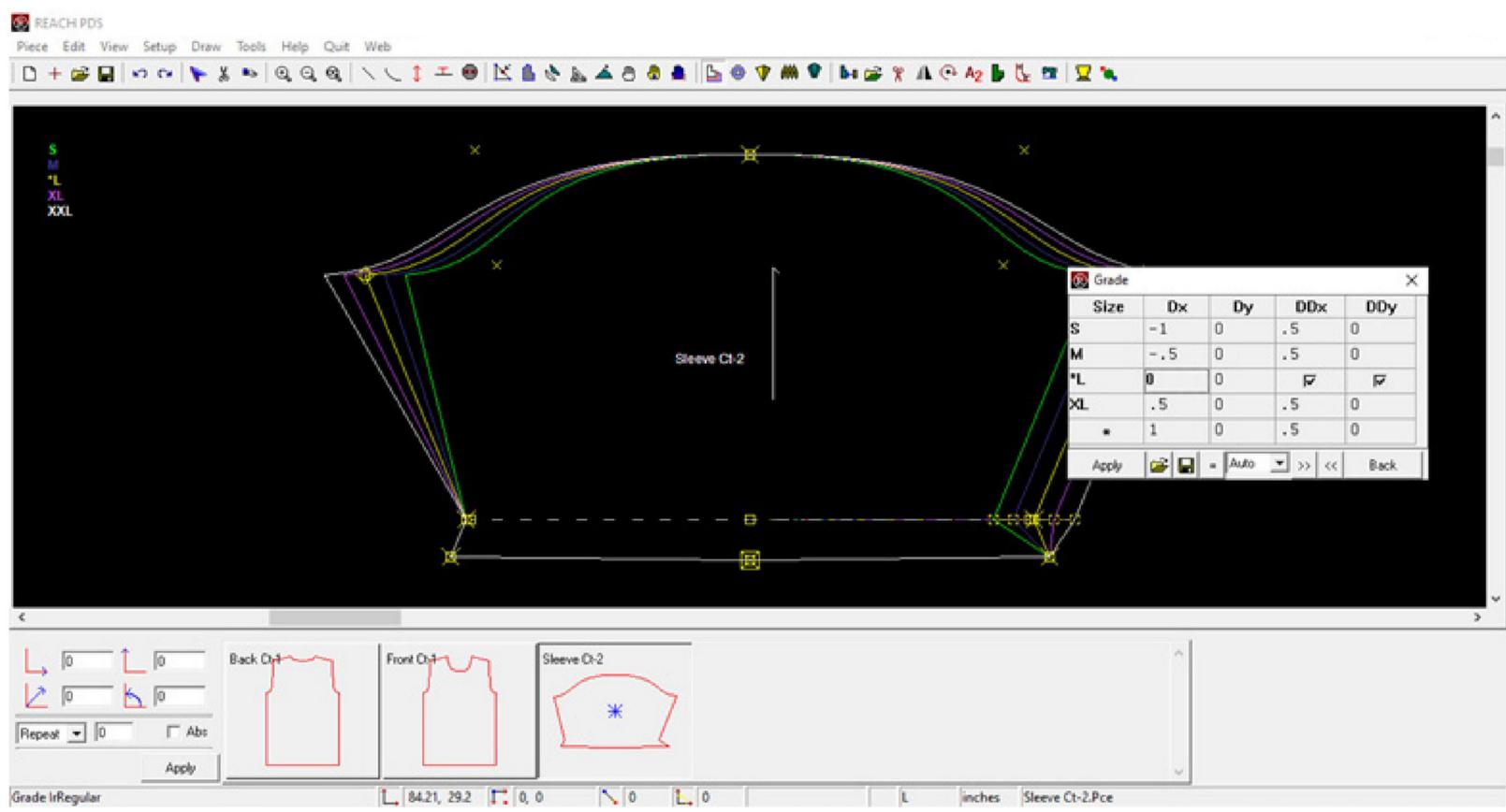


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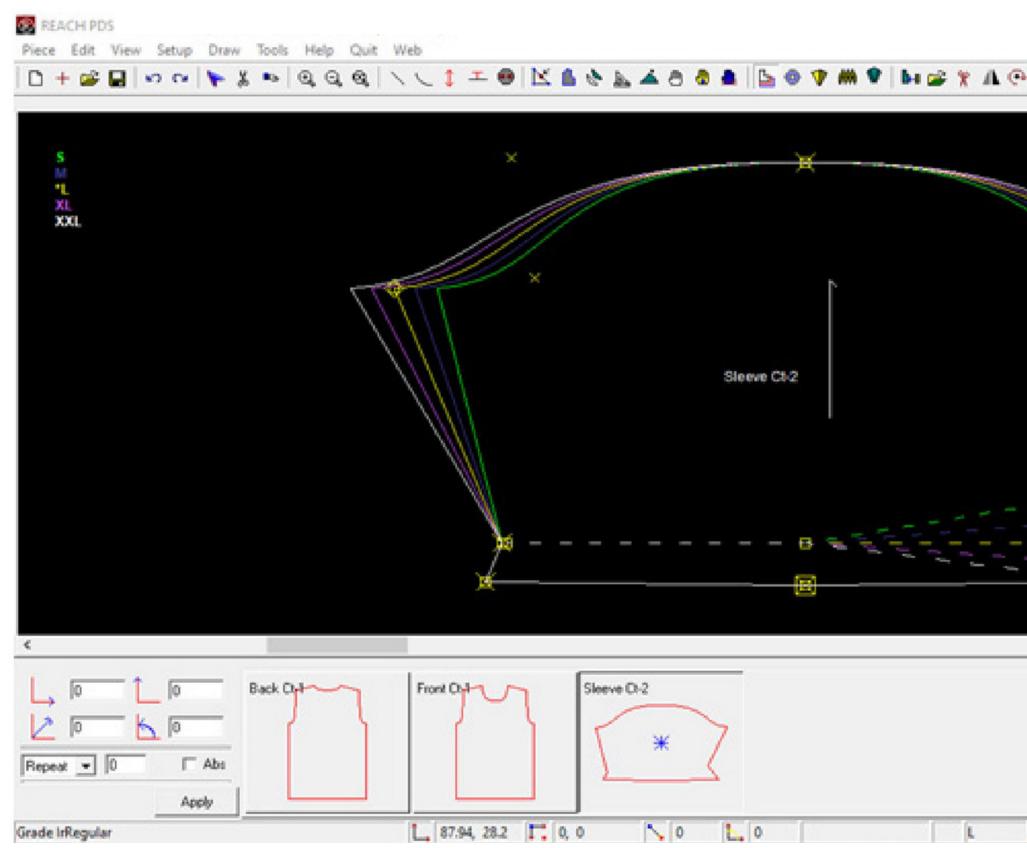
STEP-041 CLICK ON SLEEVE OPEN POINT AND APPLY DDX MEASUREMENT



REACH Technologies



STEP-042 APPLY SLEEVE LENGTH MEASUREMENT AS DDY 0.5



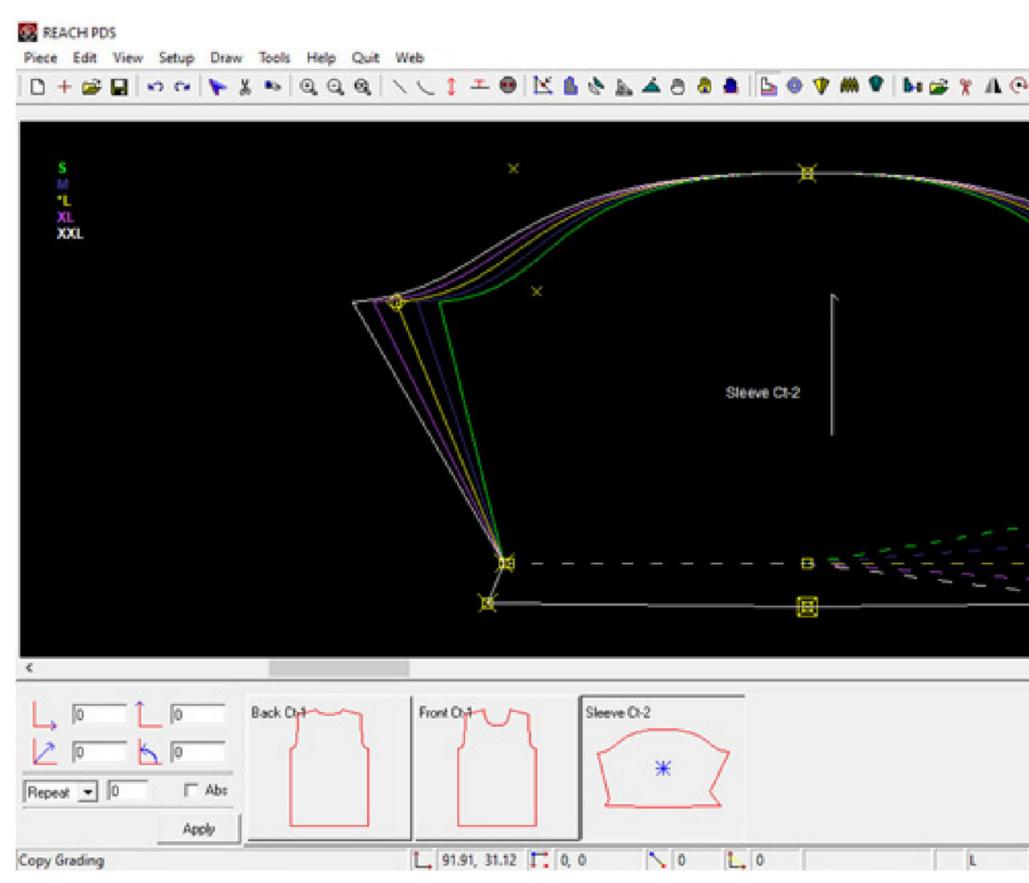
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STEP-043

NEXT, CLICK ON COPY TOOL, CHANGE SOURCE AND DESTIN TO AUTO AND APPLY

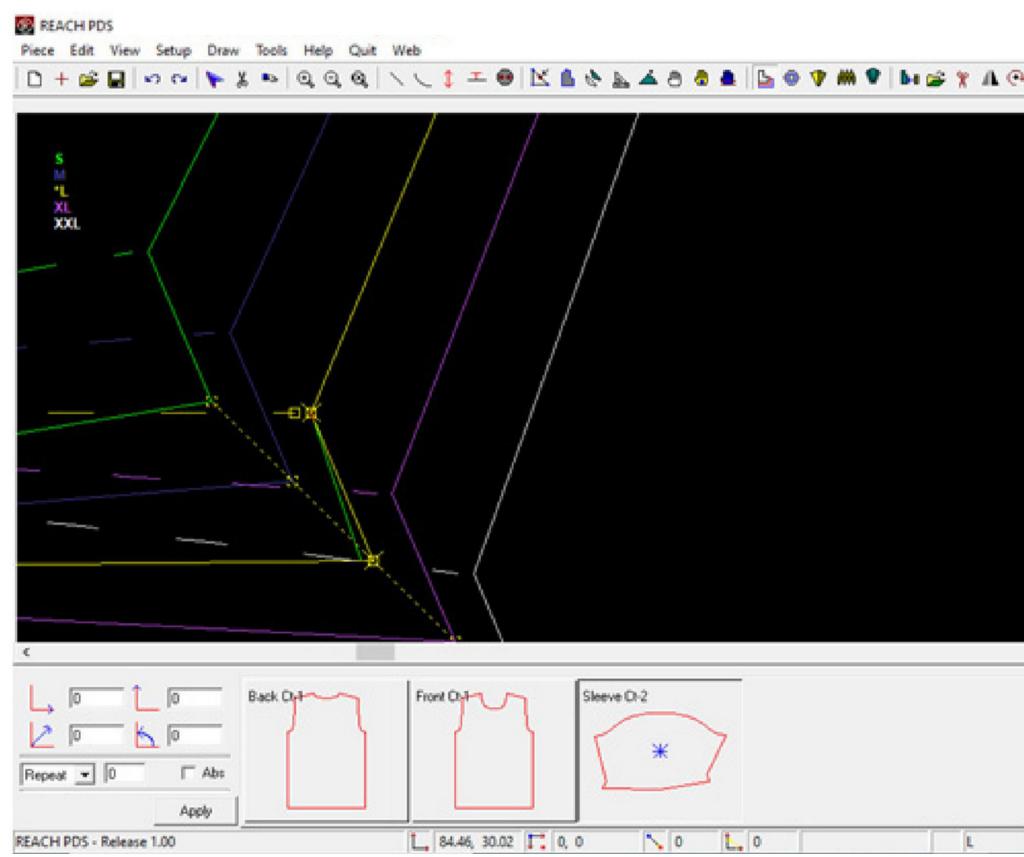


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STEP-044 COPY TO OPEN POINT TO SAEM POINT

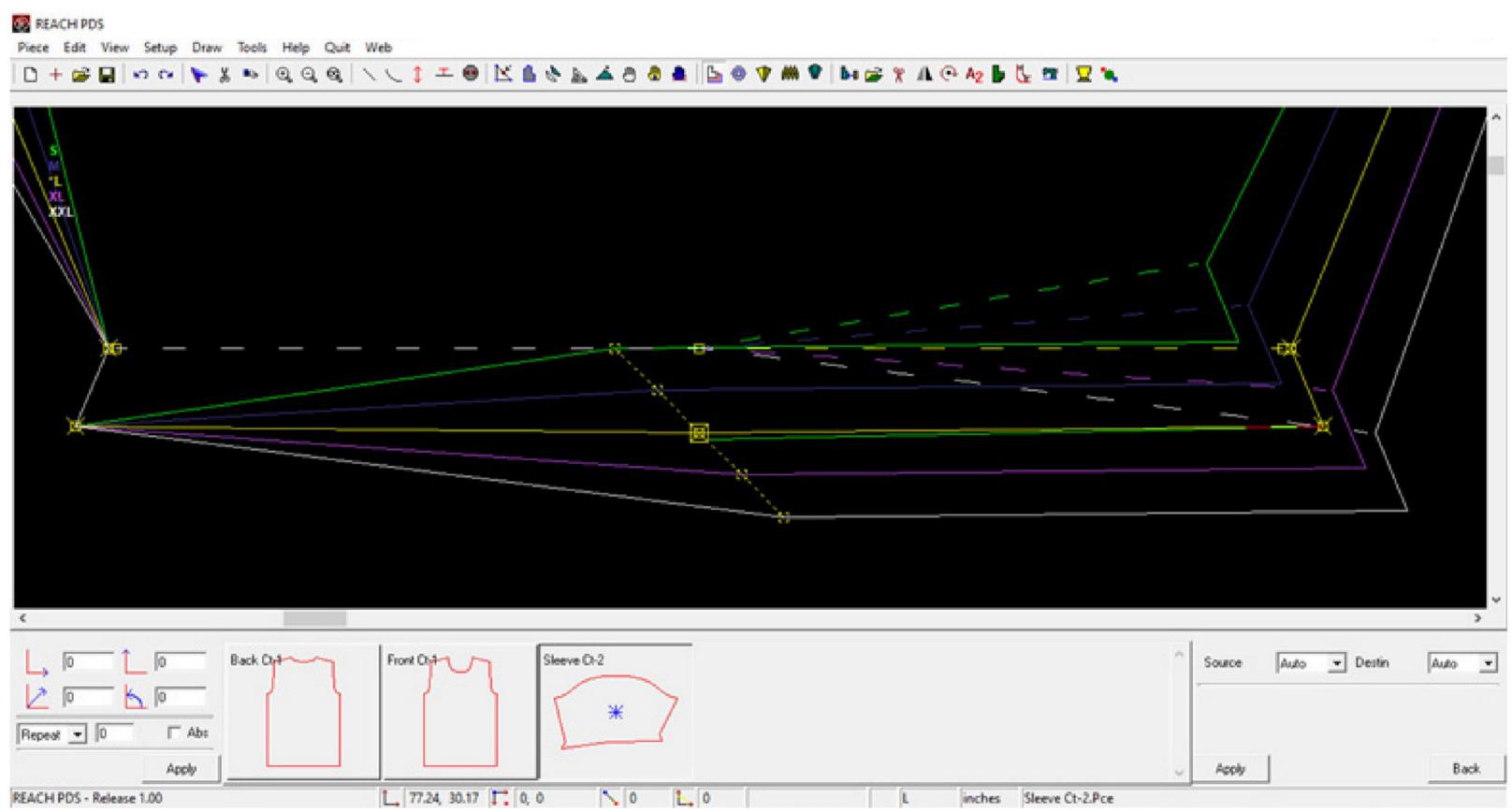


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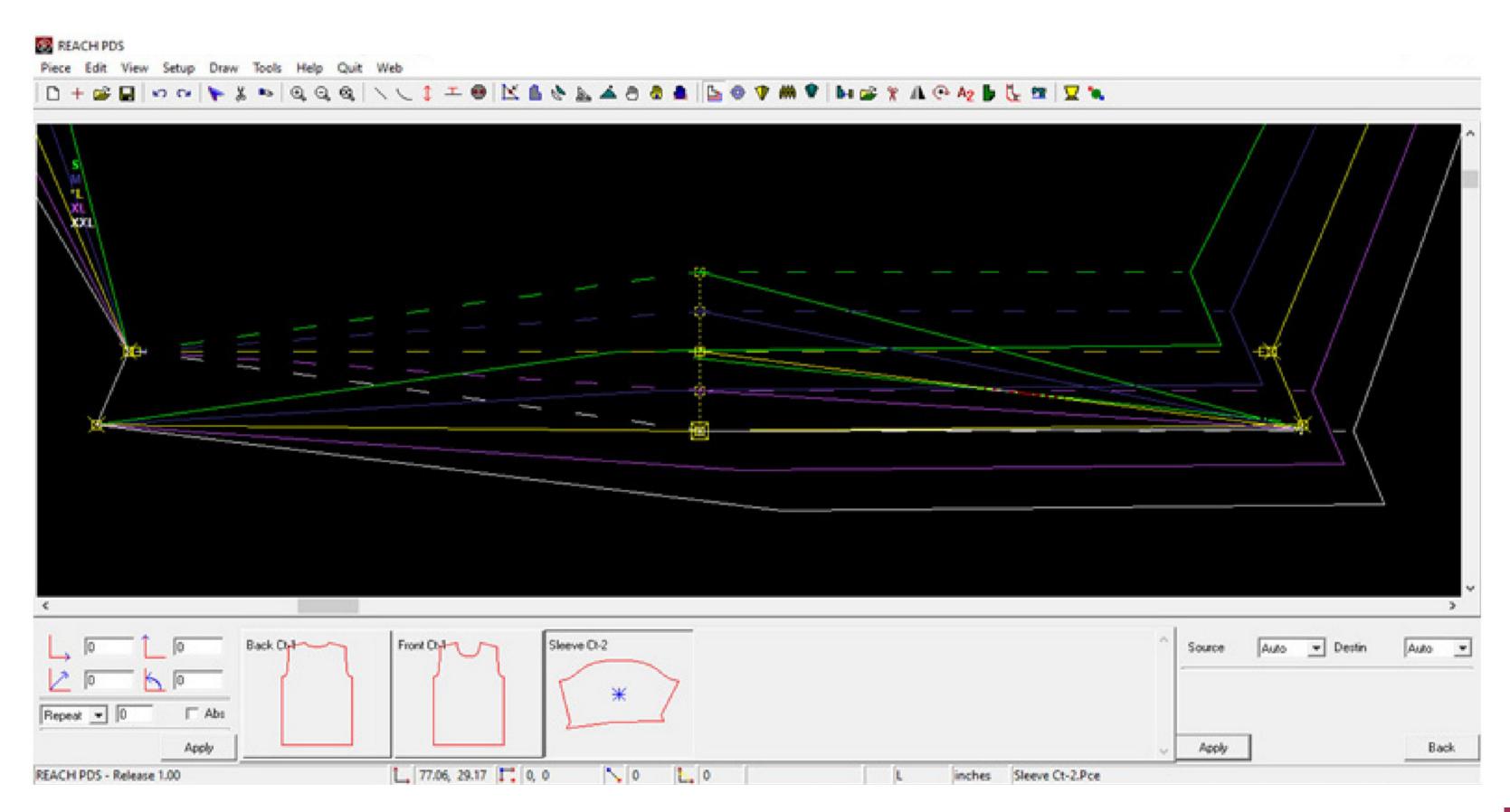
STEP-045 CLICK ON NEXT COPY Y COPY TO OPEN TO CENTER POINT



REACH Technologies



STEP-046 By same method copy internal line to center point.

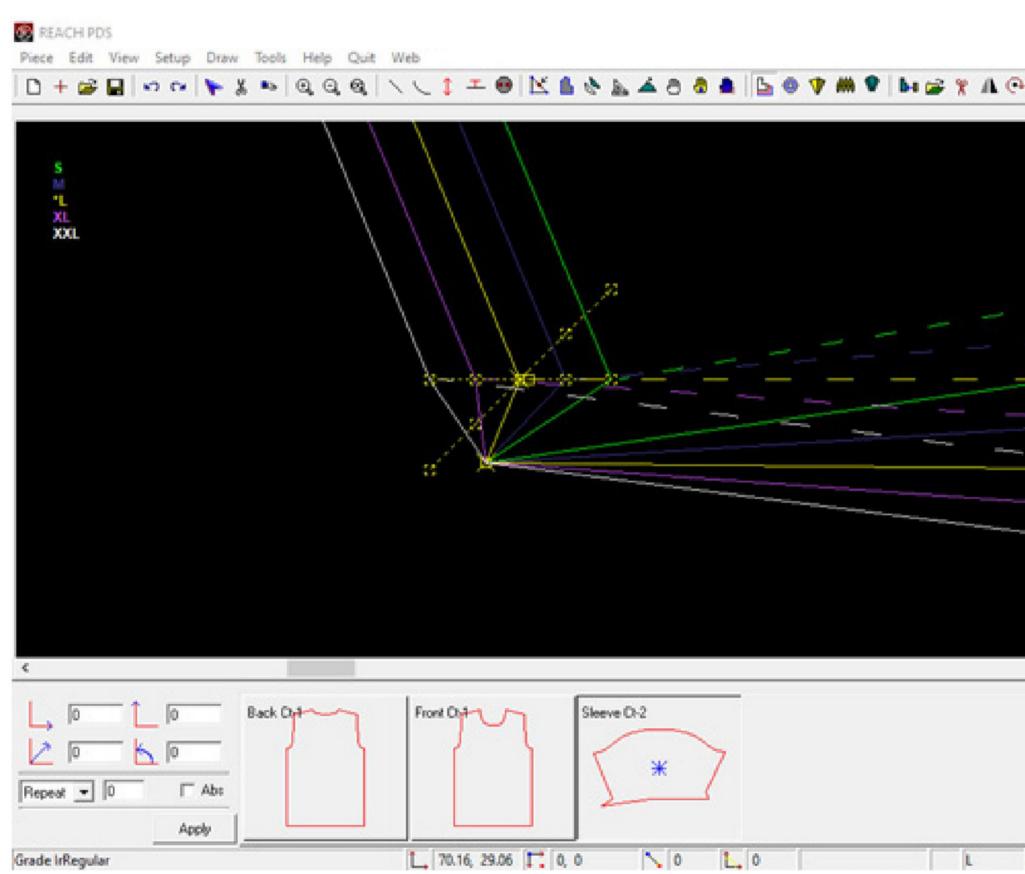


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STEP-047

CLICK ON THE POINT ON LEFT SIDE SLEEVE OPEN AND APPLY MEASUREMENT DDX

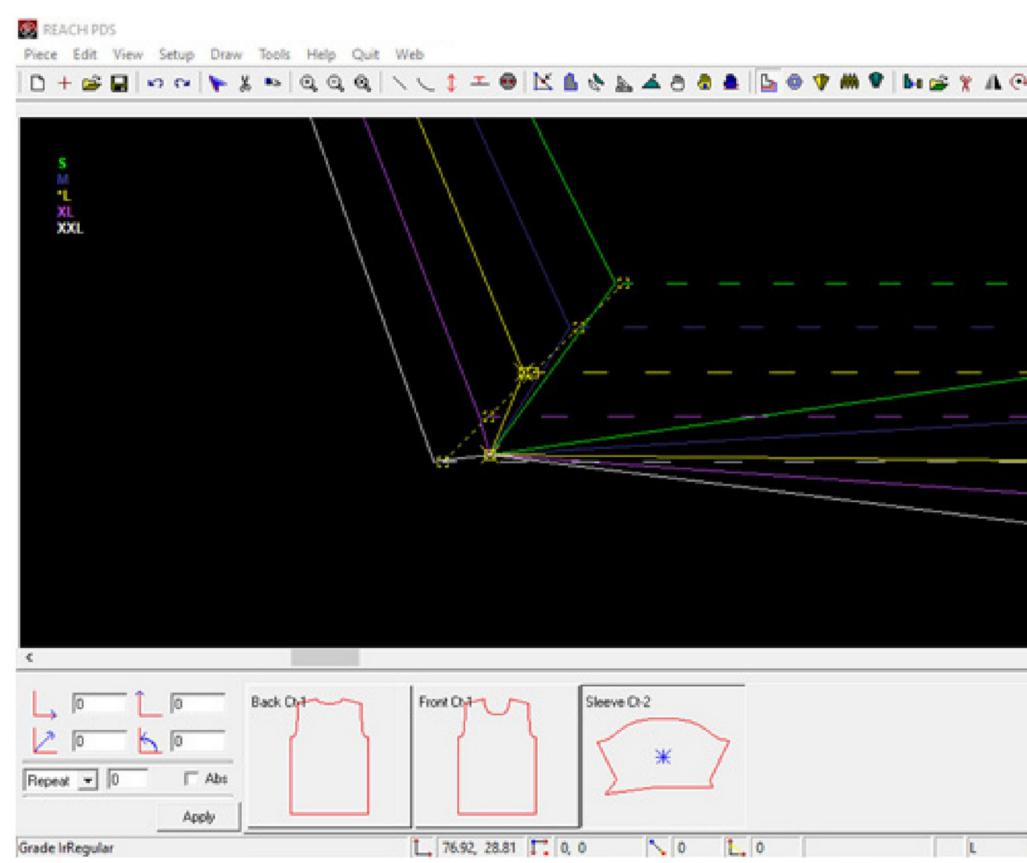


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| | Grade Size | Dx | Dec | DDx | × DDy | |
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STEP-048 ON SAME POINT APPLY DDY .5 FOR ALL SIZES

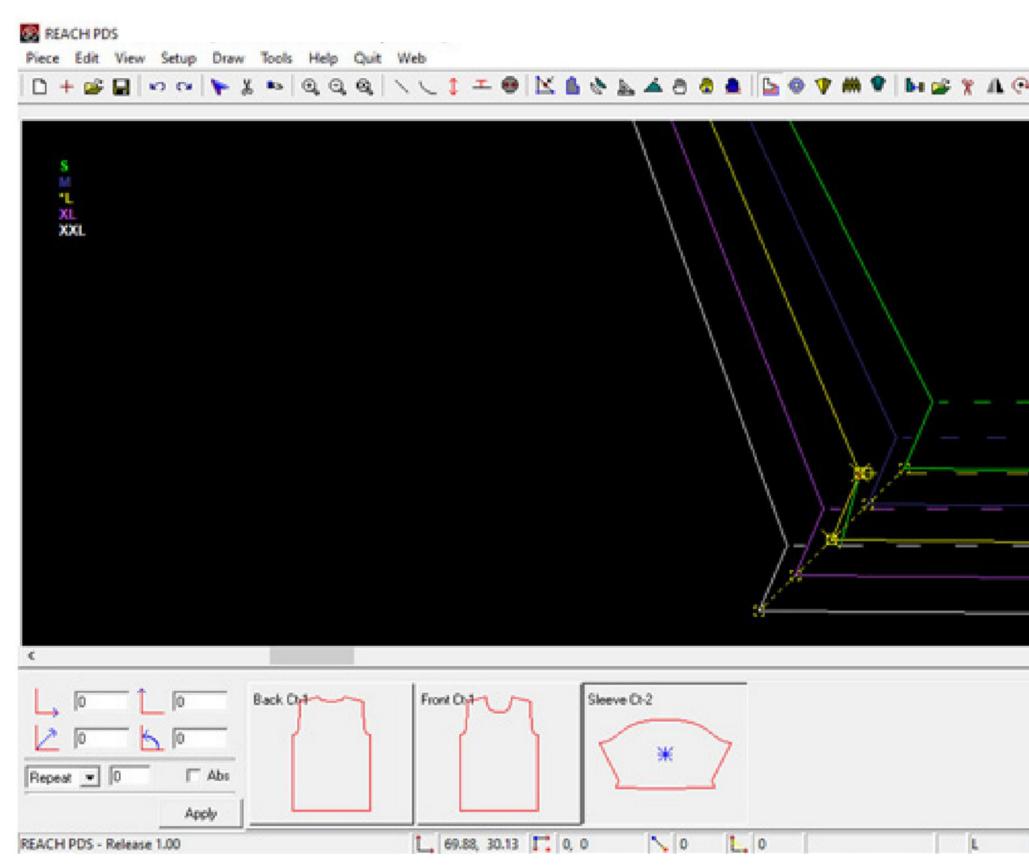


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STEP-049 CLICK ON COPY TOOL SLEEVE OPEN TO SAEM POINT

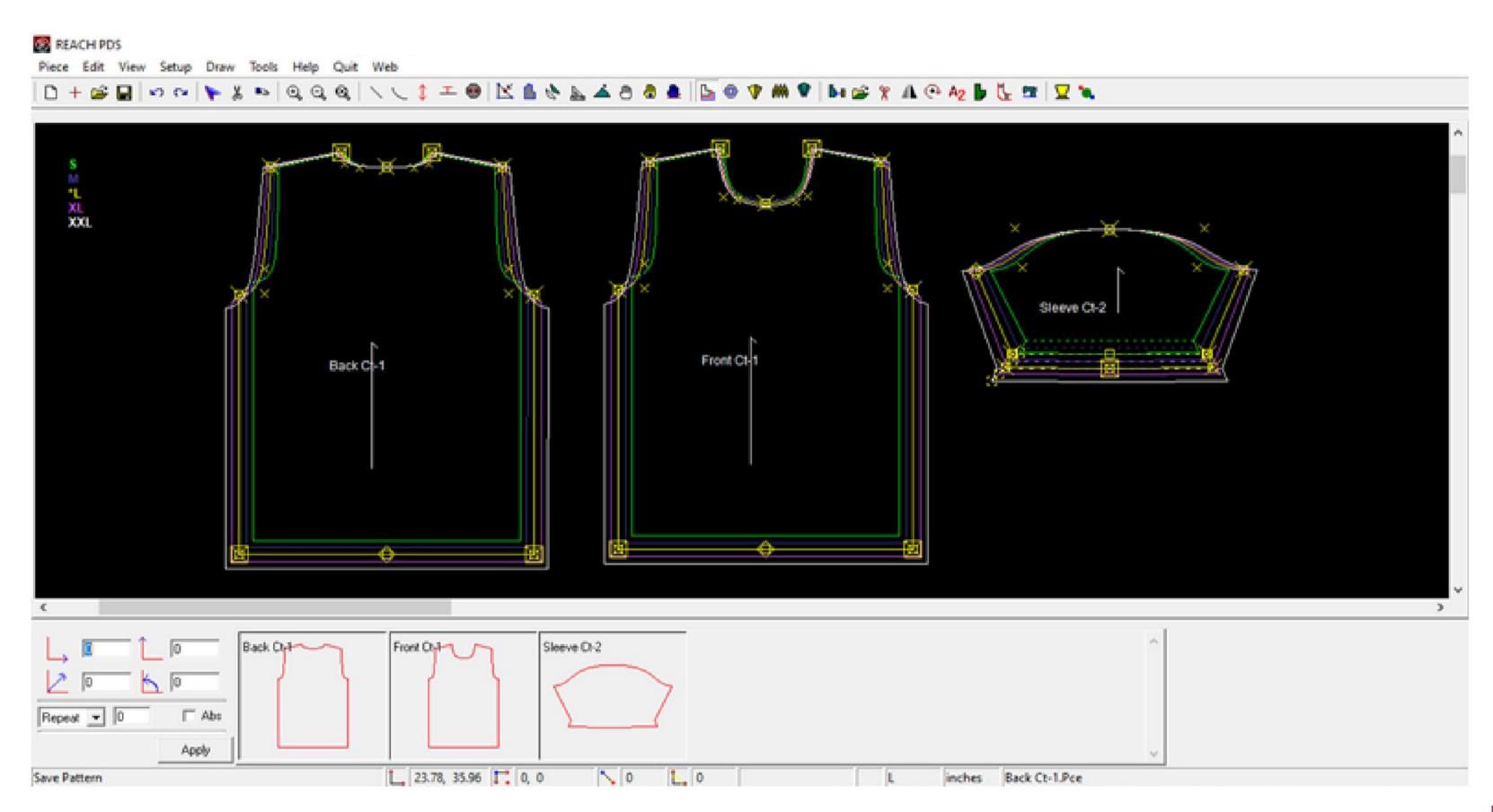


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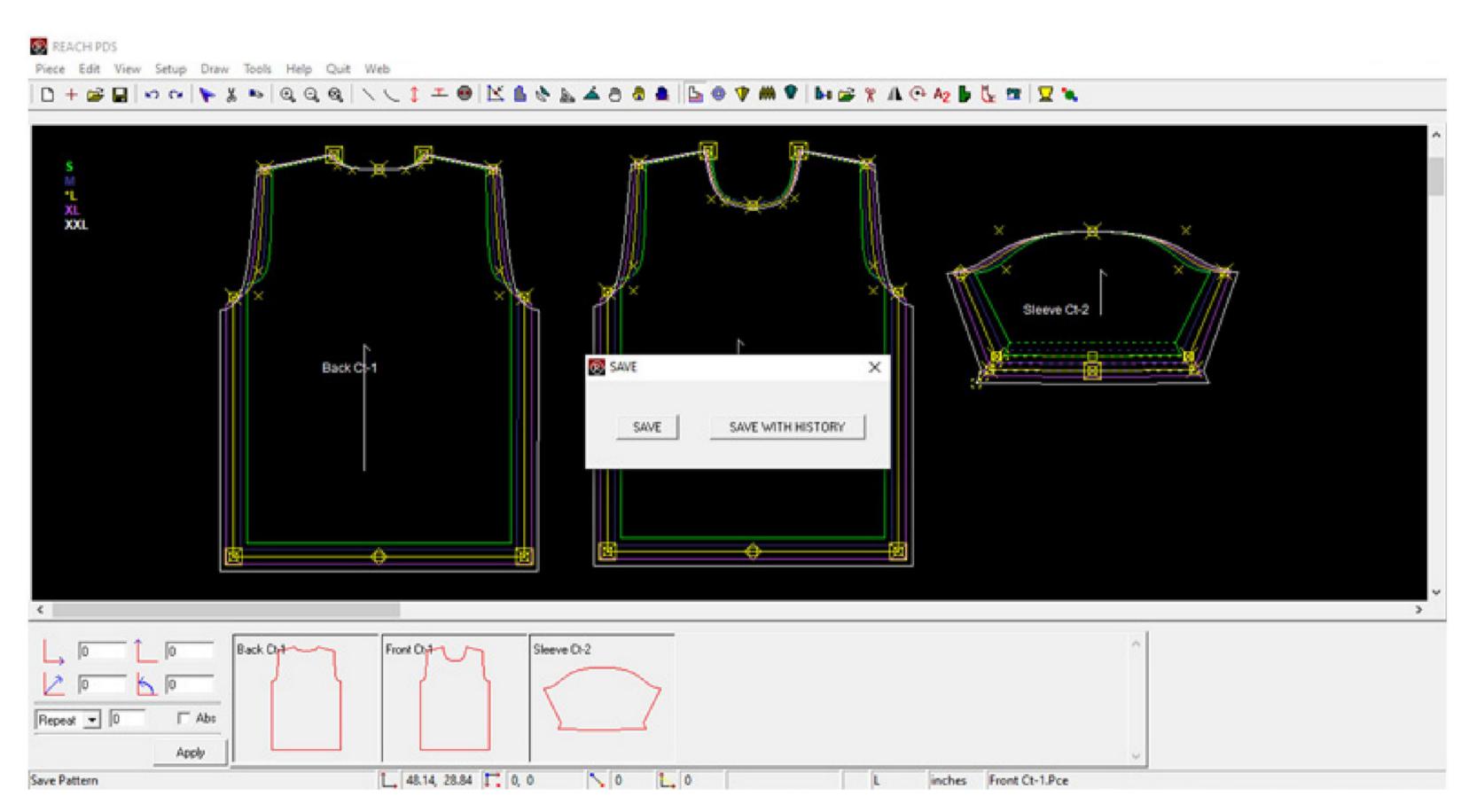
STEP-50 CLICK ON ALL PATTERNS AND GO TO ZOOM ALL



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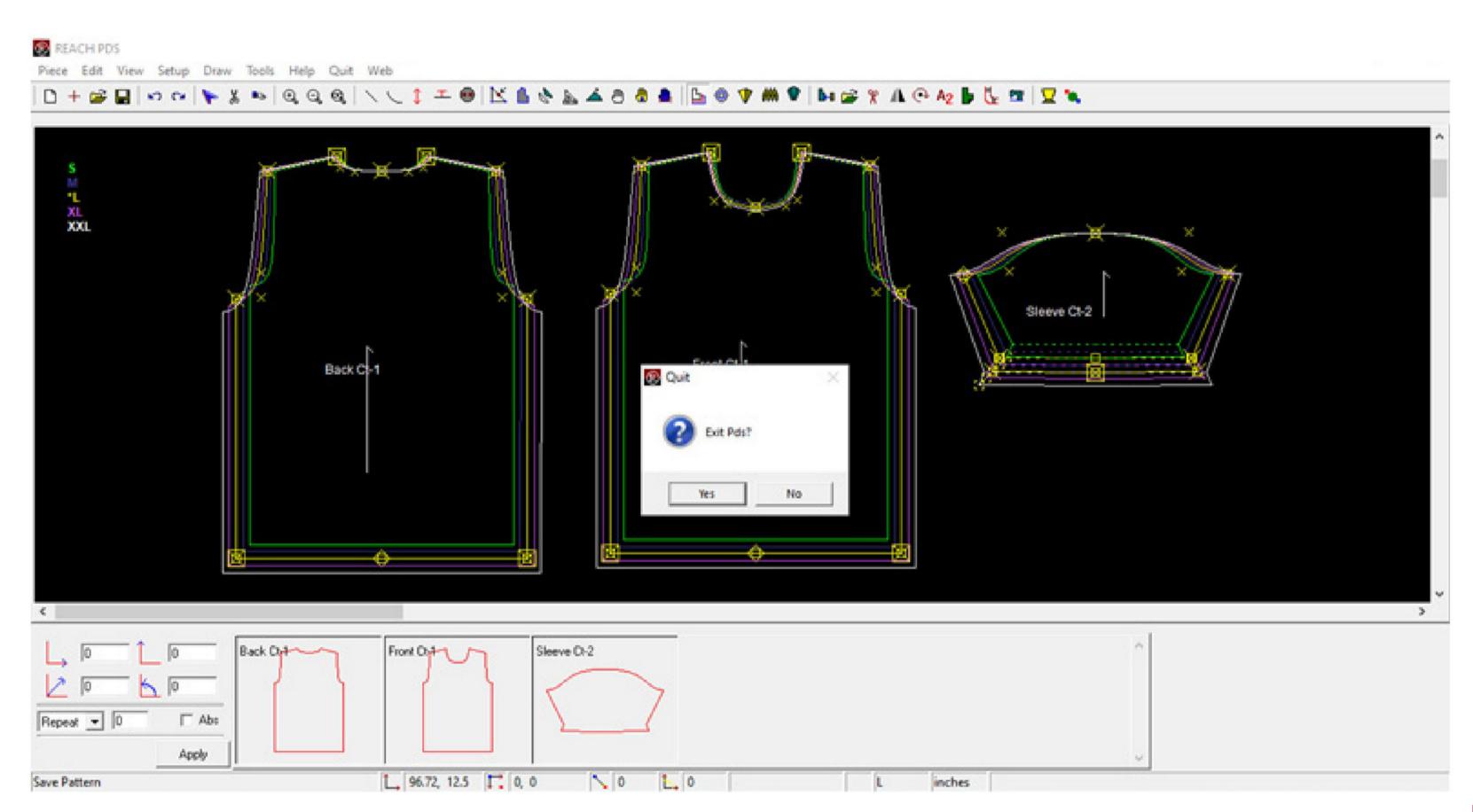
STEP-05 I GRADING COMPLETE. GO TO SAVE BUTTON AND SAVE THE FILE



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STEP-052 GO TO CANCEL AND CLICK ON YES



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REACH CAD GRADING FINISHED

REACH Technologies







REACH CAD is a best in class apparel pattern design, grading and marker planning software.

REACH CAD enables fabric and time savings in apparel product development and manufacture. About 70% of apparel manufacturing cost is fabric cost. Fabric usage optimization is critical to building competitive apparel ventures.

REACH CAD enables that.

Additionally, by reducing fabric wastage, REACH CAD contributes to a greener environment.

REACH CAD is included in the training programmes of Ministry of Rural Development, Ministry of Skill Development and Entrepreneurship, Ministry of Industries and Commerce, Ministry of Textiles, Ministry of Education etc of Govt. of India and various state govts.

