

현장에서 수집한
딥러닝 데이터

1. 데이터 선정 이유

설비에서 나오는 약 70개 이상의 불량항목의 검출 결과를 csv로 남기는데 항목이 많다보니 검출력에 문제가 생겼을때 트래킹이 어려움이 있다.

2. 데이터 수집 목적

매일 생성되는 ResultMap(csv파일)을 데이터로 활용하여 어느 시점에서 검출력에 문제가 생겼는지(검출력이 일정 수준 이상으로 하락될 시) 변동 시점을 트래킹 할 수 있도록 만드는것이 목적

3. 수집한 데이터

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|---------------|-----------------------|--------|
| TOTAL COUNT | 16319 | |
| PASS COUNT | 12184 | 74.661 |
| REJECT COUNT | 2702 | 16.557 |
| INVALID COUNT | 1433 | 8.781 |
| V5 | AA1_An_Stab | 34 |
| V10 | AA1_An_Stab_DL | 81 |
| V10 | AA1_Ca_Stab | 70 |
| V5 | AA1_Ca_Stab | 79 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 382 |
| V7 | AB1_Stab | 2204 |
| V11 | AB2_InnerStab | 51 |
| V9 | AC1_BOTTOM_Pouch | 89 |
| V9 | AC1_BOTTOM_Side | 429 |
| V4 | AC1_BOTTOM_Stab_Pouch | 2959 |
| V4 | AC1_BOTTOM_Stab_Side | 3252 |
| V8 | AC1_Left_Stab_Side | 27 |
| V8 | AC1_Right_stab_side | 27 |
| V7 | AC1_Stab | 418 |
| V9 | AC1_TOP_Dent_Pouch | 307 |
| V9 | AC1_TOP_Dent_Side | 45 |
| V4 | AC1_TOP_Stab_Pouch | 1008 |
| V4 | AC1_TOP_Stab_Side | 1019 |
| V1 | AD1_StabUpper | 10 |
| V10 | BA1_An_Scratch | 1 |
| V5 | BA1_An_Scratch | 7 |
| V10 | BA1_Ca_Scratch | 297 |
| V5 | BA1_Ca_Scratch | 502 |
| V1 | BB1_Scratch | 1044 |
| V7 | BB1_Scratch | 627 |
| V1 | BD1_ScratchUpper | 2 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 160 |
| V7 | CB3_Side_Particle | 335 |
| V11 | DB5_Elec_Line_Wrinkle | 68 |

2021.04.16

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|---------------|-----------------------|--------|
| TOTAL COUNT | 7178 | |
| PASS COUNT | 5903 | 82.237 |
| REJECT COUNT | 1076 | 14.99 |
| INVALID COUNT | 199 | 2.772 |
| V5 | AA1_An_Stab | 31 |
| V10 | AA1_An_Stab_DL | 76 |
| V10 | AA1_Ca_Stab | 62 |
| V5 | AA1_Ca_Stab | 54 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 300 |
| V7 | AB1_Stab | 1876 |
| V11 | AB2_InnerStab | 47 |
| V9 | AC1_BOTTOM_Pouch | 74 |
| V9 | AC1_BOTTOM_Side | 330 |
| V4 | AC1_BOTTOM_Stab_Pouch | 1793 |
| V4 | AC1_BOTTOM_Stab_Side | 2053 |
| V8 | AC1_Left_Stab_Side | 20 |
| V8 | AC1_Right_stab_side | 23 |
| V7 | AC1_Stab | 333 |
| V9 | AC1_TOP_Dent_Pouch | 267 |
| V9 | AC1_TOP_Dent_Side | 41 |
| V4 | AC1_TOP_Stab_Pouch | 606 |
| V4 | AC1_TOP_Stab_Side | 614 |
| V1 | AD1_StabUpper | 8 |
| V5 | BA1_An_Scratch | 7 |
| V10 | BA1_Ca_Scratch | 266 |
| V5 | BA1_Ca_Scratch | 437 |
| V1 | BB1_Scratch | 866 |
| V7 | BB1_Scratch | 507 |
| V1 | BD1_ScratchUpper | 2 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 144 |
| V7 | CB3_Side_Particle | 279 |
| V11 | DB5_Elec_Line_Wrinkle | 61 |
| V5 | EA1_An_Folding | 4 |

2021.04.17

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|---------------|-----------------------|--------|
| TOTAL COUNT | 16334 | |
| PASS COUNT | 13541 | 82.901 |
| REJECT COUNT | 2519 | 15.422 |
| INVALID COUNT | 274 | 1.677 |
| V5 | AA1_An_Stab | 29 |
| V10 | AA1_An_Stab_DL | 76 |
| V10 | AA1_Ca_Stab | 61 |
| V5 | AA1_Ca_Stab | 51 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 276 |
| V7 | AB1_Stab | 1781 |
| V11 | AB2_InnerStab | 40 |
| V9 | AC1_BOTTOM_Pouch | 70 |
| V9 | AC1_BOTTOM_Side | 308 |
| V4 | AC1_BOTTOM_Stab_Pouch | 1655 |
| V4 | AC1_BOTTOM_Stab_Side | 1909 |
| V8 | AC1_Left_Stab_Side | 20 |
| V8 | AC1_Right_stab_side | 22 |
| V7 | AC1_Stab | 316 |
| V9 | AC1_TOP_Dent_Pouch | 250 |
| V9 | AC1_TOP_Dent_Side | 38 |
| V4 | AC1_TOP_Stab_Pouch | 558 |
| V4 | AC1_TOP_Stab_Side | 564 |
| V1 | AD1_StabUpper | 8 |
| V5 | BA1_An_Scratch | 7 |
| V10 | BA1_Ca_Scratch | 251 |
| V5 | BA1_Ca_Scratch | 417 |
| V1 | BB1_Scratch | 828 |
| V7 | BB1_Scratch | 494 |
| V1 | BD1_ScratchUpper | 2 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 141 |
| V7 | CB3_Side_Particle | 265 |
| V11 | DB5_Elec_Line_Wrinkle | 60 |
| V5 | EA1_An_Folding | 4 |

2021.04.18

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|---------------|-----------------------|--------------|
| TOTAL COUNT | | 15999 |
| PASS COUNT | | 12960 81.005 |
| REJECT COUNT | | 2534 15.838 |
| INVALID COUNT | | 505 3.156 |
| V5 | AA1_An_Stab | 18 |
| V10 | AA1_An_Stab_DL | 44 |
| V10 | AA1_Ca_Stab | 53 |
| V5 | AA1_Ca_Stab | 39 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 225 |
| V7 | AB1_Stab | 1540 |
| V11 | AB2_InnerStab | 32 |
| V9 | AC1_BOTTOM_Pouch | 55 |
| V9 | AC1_BOTTOM_Side | 265 |
| V4 | AC1_BOTTOM_Stab_Pouch | 1474 |
| V4 | AC1_BOTTOM_Stab_Side | 1698 |
| V8 | AC1_Left_Stab_Side | 19 |
| V8 | AC1_Right_stab_side | 17 |
| V7 | AC1_Stab | 274 |
| V9 | AC1_TOP_Dent_Pouch | 206 |
| V9 | AC1_TOP_Dent_Side | 34 |
| V4 | AC1_TOP_Stab_Pouch | 500 |
| V4 | AC1_TOP_Stab_Side | 505 |
| V1 | AD1_StabUpper | 7 |
| V5 | BA1_An_Scratch | 7 |
| V10 | BA1_Ca_Scratch | 212 |
| V5 | BA1_Ca_Scratch | 355 |
| V1 | BB1_Scratch | 764 |
| V7 | BB1_Scratch | 444 |
| V1 | BD1_ScratchUpper | 1 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 137 |
| V7 | CB3_Side_Particle | 228 |
| V11 | DB5_Elec_Line_Wrinkle | 53 |
| V5 | FA1_An_Folding | 3 |

2021.04.19

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|-----------|-----------------------|--------------|
| TOTAL CC | | 15472 |
| PASS COL | | 12858 83.105 |
| REJECT CC | | 2160 13.961 |
| INVALID C | | 454 2.934 |
| V5 | AA1_An_Stab | 14 |
| V10 | AA1_An_Stab_DL | 33 |
| V10 | AA1_Ca_Stab | 43 |
| V5 | AA1_Ca_Stab | 33 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 187 |
| V7 | AB1_Stab | 958 |
| V11 | AB2_InnerStab | 24 |
| V9 | AC1_BOTTOM_Pouch | 39 |
| V9 | AC1_BOTTOM_Side | 200 |
| V4 | AC1_BOTTOM_Stab_Pouch | 1446 |
| V4 | AC1_BOTTOM_Stab_Side | 1647 |
| V8 | AC1_Left_Stab_Side | 18 |
| V8 | AC1_Right_stab_side | 15 |
| V7 | AC1_Stab | 213 |
| V9 | AC1_TOP_Dent_Pouch | 178 |
| V9 | AC1_TOP_Dent_Side | 28 |
| V4 | AC1_TOP_Stab_Pouch | 492 |
| V4 | AC1_TOP_Stab_Side | 497 |
| V1 | AD1_StabUpper | 5 |
| V5 | BA1_An_Scratch | 6 |
| V10 | BA1_Ca_Scratch | 174 |
| V5 | BA1_Ca_Scratch | 300 |
| V1 | BB1_Scratch | 646 |
| V7 | BB1_Scratch | 321 |
| V1 | BD1_ScratchUpper | 1 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 110 |
| V7 | CB3_Side_Particle | 179 |
| V11 | DB5_Elec_Line_Wrinkle | 44 |
| V5 | FA1_An_Folding | 2 |

2021.04.20

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|---------------|-----------------------|--------------|
| TOTAL COUNT | | 16785 |
| PASS COUNT | | 14397 85.773 |
| REJECT COUNT | | 2108 12.559 |
| INVALID COUNT | | 280 1.668 |
| V5 | AA1_An_Stab | 10 |
| V10 | AA1_An_Stab_DL | 26 |
| V10 | AA1_Ca_Stab | 31 |
| V5 | AA1_Ca_Stab | 26 |
| V5 | AA1_Ca_TopStab | 2 |
| V1 | AB1_Stab | 134 |
| V7 | AB1_Stab | 635 |
| V11 | AB2_InnerStab | 17 |
| V9 | AC1_BOTTOM_Pouch | 28 |
| V9 | AC1_BOTTOM_Side | 145 |
| V4 | AC1_BOTTOM_Stab_Pouch | 952 |
| V4 | AC1_BOTTOM_Stab_Side | 1146 |
| V8 | AC1_Left_Stab_Side | 13 |
| V8 | AC1_Right_stab_side | 13 |
| V7 | AC1_Stab | 143 |
| V9 | AC1_TOP_Dent_Pouch | 138 |
| V9 | AC1_TOP_Dent_Side | 24 |
| V4 | AC1_TOP_Stab_Pouch | 327 |
| V4 | AC1_TOP_Stab_Side | 330 |
| V1 | AD1_StabUpper | 3 |
| V5 | BA1_An_Scratch | 5 |
| V10 | BA1_Ca_Scratch | 120 |
| V5 | BA1_Ca_Scratch | 211 |
| V1 | BB1_Scratch | 483 |
| V7 | BB1_Scratch | 227 |
| V1 | BD1_ScratchUpper | 1 |
| V6 | CB3_Particle | 1 |
| V1 | CB3_Side_Particle | 69 |
| V7 | CB3_Side_Particle | 142 |
| V11 | DB5_Elec_Line_Wrinkle | 37 |
| V5 | FA1_An_Folding | 2 |

2021.04.21

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|---------------|-----------------------|-------|--------|---------------|-----------------------|-------|--------|---------------|-----------------------|------|--------|---------------|-----------------------|------|--------|
| TOTAL COUNT | | 14663 | | TOTAL COUNT | | 15663 | | TOTAL COUNT | | 6454 | | TOTAL COUNT | | 2172 | |
| PASS COUNT | | 12149 | 82.855 | PASS COUNT | | 13358 | 85.284 | PASS COUNT | | 5382 | 83.39 | PASS COUNT | | 1879 | 86.51 |
| REJECT COUNT | | 1953 | 13.319 | REJECT COUNT | | 2087 | 13.324 | REJECT COUNT | | 971 | 15.045 | REJECT COUNT | | 283 | 13.029 |
| INVALID COUNT | | 561 | 3.826 | INVALID COUNT | | 218 | 1.392 | INVALID COUNT | | 101 | 1.565 | INVALID COUNT | | 10 | 0.46 |
| V5 | AA1_An_Stab | | 5 | V5 | AA1_An_Stab | | 4 | V10 | AA1_An_Stab_DL | | 2 | V10 | AA1_An_Stab_DL | | 1 |
| V10 | AA1_An_Stab_DL | | 20 | V10 | AA1_An_Stab_DL | | 13 | V10 | AA1_Ca_Stab | | 4 | V10 | AA1_Ca_Stab | | 1 |
| V10 | AA1_Ca_Stab | | 22 | V10 | AA1_Ca_Stab | | 16 | V5 | AA1_Ca_Stab | | 5 | V5 | AA1_Ca_Stab | | 2 |
| V5 | AA1_Ca_Stab | | 19 | V5 | AA1_Ca_Stab | | 14 | V1 | AB1_Stab | | 21 | V1 | AB1_Stab | | 5 |
| V5 | AA1_Ca_TopStab | | 2 | V5 | AA1_Ca_TopStab | | 2 | V7 | AB1_Stab | | 81 | V7 | AB1_Stab | | 13 |
| V1 | AB1_Stab | | 97 | V1 | AB1_Stab | | 67 | V11 | AB2_InnerStab | | 3 | V11 | AB2_InnerStab | | 2 |
| V7 | AB1_Stab | | 368 | V7 | AB1_Stab | | 235 | V9 | AC1_BOTTOM_Pouch | | 7 | V9 | AC1_BOTTOM_Pouch | | 3 |
| V11 | AB2_InnerStab | | 12 | V11 | AB2_InnerStab | | 4 | V9 | AC1_BOTTOM_Side | | 31 | V9 | AC1_BOTTOM_Side | | 10 |
| V9 | AC1_BOTTOM_Pouch | | 21 | V9 | AC1_BOTTOM_Pouch | | 16 | V4 | AC1_BOTTOM_Stab_Pouch | | 111 | V4 | AC1_BOTTOM_Stab_Pouch | | 1 |
| V9 | AC1_BOTTOM_Side | | 99 | V9 | AC1_BOTTOM_Side | | 62 | V4 | AC1_BOTTOM_Stab_Side | | 167 | V4 | AC1_BOTTOM_Stab_Side | | 22 |
| V4 | AC1_BOTTOM_Stab_Pouch | | 645 | V4 | AC1_BOTTOM_Stab_Pouch | | 347 | V8 | AC1_Left_Stab_Side | | 2 | V8 | AC1_Left_Stab_Side | | 1 |
| V4 | AC1_BOTTOM_Stab_Side | | 802 | V4 | AC1_BOTTOM_Stab_Side | | 441 | V8 | AC1_Right_stab_side | | 2 | V8 | AC1_Right_stab_side | | 1 |
| V8 | AC1_Left_Stab_Side | | 10 | V8 | AC1_Left_Stab_Side | | 6 | V7 | AC1_Stab | | 13 | V9 | AC1_TOP_Dent_Pouch | | 7 |
| V8 | AC1_Right_stab_side | | 10 | V8 | AC1_Right_stab_side | | 7 | V9 | AC1_TOP_Dent_Pouch | | 25 | V9 | AC1_TOP_Dent_Side | | 2 |
| V7 | AC1_Stab | | 102 | V7 | AC1_Stab | | 53 | V9 | AC1_TOP_Dent_Side | | 4 | V1 | AD1_StabUpper | | 1 |
| V9 | AC1_TOP_Dent_Pouch | | 92 | V9 | AC1_TOP_Dent_Pouch | | 69 | V4 | AC1_TOP_Stab_Pouch | | 46 | V10 | BA1_Ca_Scratch | | 5 |
| V9 | AC1_TOP_Dent_Side | | 18 | V9 | AC1_TOP_Dent_Side | | 13 | V4 | AC1_TOP_Stab_Side | | 46 | V5 | BA1_Ca_Scratch | | 10 |
| V4 | AC1_TOP_Stab_Pouch | | 201 | V4 | AC1_TOP_Stab_Pouch | | 110 | V1 | AD1_StabUpper | | 2 | V1 | BB1_Scratch | | 12 |
| V4 | AC1_TOP_Stab_Side | | 203 | V4 | AC1_TOP_Stab_Side | | 111 | V10 | BA1_Ca_Scratch | | 19 | V7 | BB1_Scratch | | 2 |
| V1 | AD1_StabUpper | | 3 | V1 | AD1_StabUpper | | 3 | V5 | BA1_Ca_Scratch | | 24 | V1 | BD1_ScratchUpper | | 1 |
| V5 | BA1_An_Scratch | | 3 | V5 | BA1_An_Scratch | | 1 | V1 | BB1_Scratch | | 79 | V7 | CB3_Side_Particle | | 3 |
| V10 | BA1_Ca_Scratch | | 79 | V10 | BA1_Ca_Scratch | | 48 | V7 | BB1_Scratch | | 18 | V11 | DB5_Elec_Line_Wrinkle | | 1 |
| V5 | BA1_Ca_Scratch | | 149 | V5 | BA1_Ca_Scratch | | 114 | V1 | BD1_ScratchUpper | | 1 | V10 | EA2_An_Tab_Warp | | 2 |
| V1 | BB1_Scratch | | 354 | V1 | BB1_Scratch | | 247 | V1 | CB3_Side_Particle | | 14 | V5 | EA2_An_Tab_Warp | | 5 |
| V7 | BB1_Scratch | | 147 | V7 | BB1_Scratch | | 83 | V7 | CB3_Side_Particle | | 25 | V10 | EA2_Ca_Tab_Warp | | 3 |
| V1 | BD1_ScratchUpper | | 1 | V1 | BD1_ScratchUpper | | 1 | V11 | DB5_Elec_Line_Wrinkle | | 2 | V5 | EA2_Ca_Tab_Warp | | 5 |
| V1 | CB3_Side_Particle | | 55 | V1 | CB3_Side_Particle | | 45 | V10 | EA2_An_Tab_Warp | | 4 | V6 | EB1_Elec_Folding | | 3 |
| V7 | CB3_Side_Particle | | 116 | V7 | CB3_Side_Particle | | 79 | V5 | EA2_An_Tab_Warp | | 8 | V7 | EB2_LB_SepFolding | | 1 |
| V11 | DB5_Elec_Line_Wrinkle | | 28 | V11 | DB5_Elec_Line_Wrinkle | | 13 | V10 | EA2_Ca_Tab_Warp | | 13 | V7 | EB2_LT_SepFolding | | 1 |
| V5 | EA1_An_Folding | | 2 | V10 | EA2_An_Tab_Warp | | 13 | V5 | EA2_Ca_Tab_Warp | | 10 | V7 | EB2_RB_SepFolding | | 1 |
| V10 | EA2_An_Tab_Warp | | 26 | V5 | EA2_An_Tab_Warp | | 32 | V6 | FR1_Elec_Folding | | 5 | V7 | FR2_RT_SepFolding | | 5 |

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2021.04.23

2021.04.24

2021.04.25