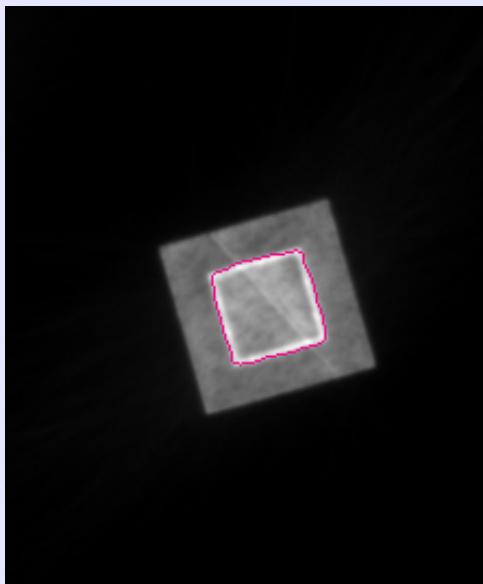


# Quality-Report



Layer Number: 1

Total regions detected: 1

Region 1

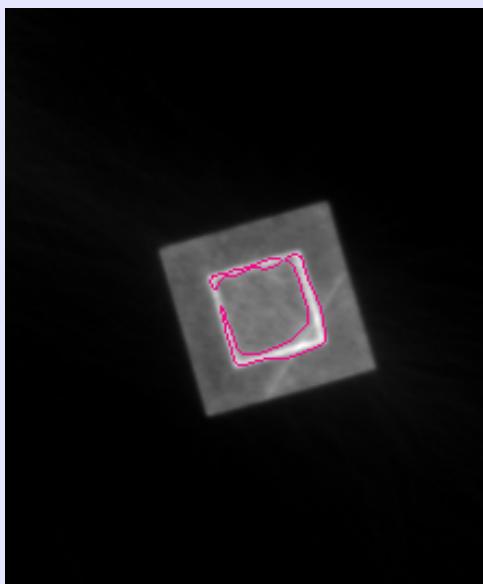
Mean value: 38474 GV

Standard Deviation: 6377 GV

Area: 2078 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 2

Total regions detected: 2

Region 1

Mean value: 43336 GV

Standard Deviation: 4212 GV

Area: 122 px

Region 2

Mean value: 44290 GV

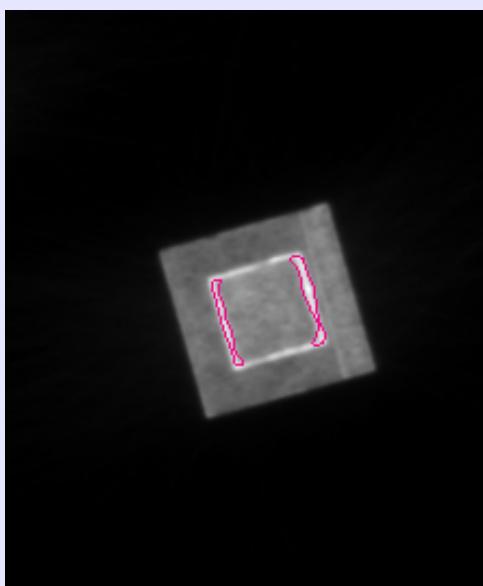
Standard Deviation: 6510 GV

Area: 609 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 3

Total regions detected: 2

Region 1

Mean value: 43462 GV

Standard Deviation: 4427 GV

Area: 151 px

Region 2

Mean value: 43471 GV

Standard Deviation: 5082 GV

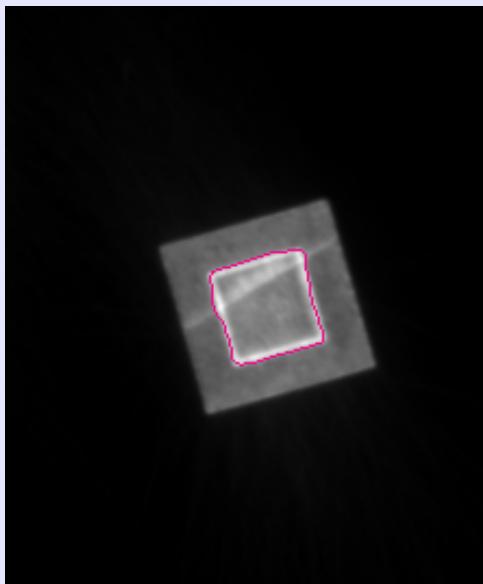
Area: 200 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 4

Total regions detected: 1

Region 1

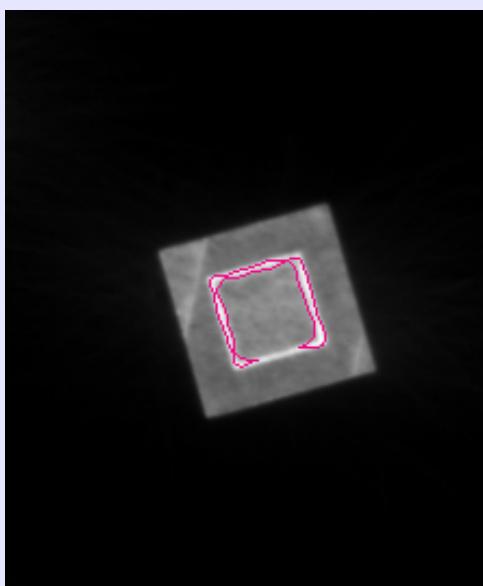
Mean value: 37888 GV

Standard Deviation: 7637 GV

Area: 2057 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 5

Total regions detected: 1

Region 1

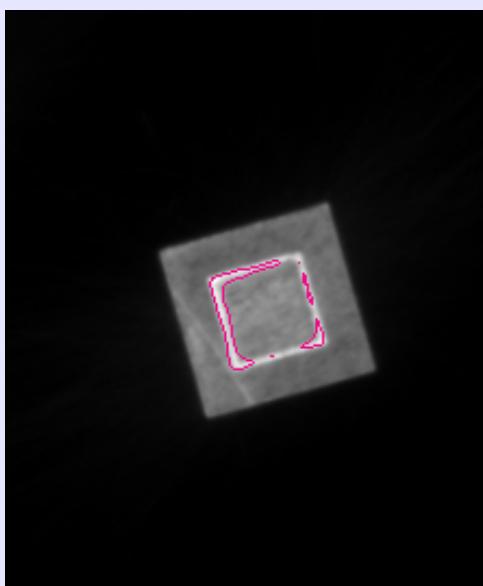
Mean value: 44014 GV

Standard Deviation: 4882 GV

Area: 522 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 6

Total regions detected: 5

Region 1

Mean value: 47234 GV

Standard Deviation: 296 GV

Area: 2 px

Region 2

Mean value: 44833 GV

Standard Deviation: 5008 GV

Area: 64 px

Region 3

Mean value: 45274 GV

Standard Deviation: 2399 GV

Area: 26 px

Region 4

Mean value: 43139 GV

Standard Deviation: 0 GV

Area: 1 px

Region 5

Mean value: 43655 GV

Standard Deviation: 5207 GV

Area: 357 px

Overall Analysis:

Region 1: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 2: Indicates Lack of fusion

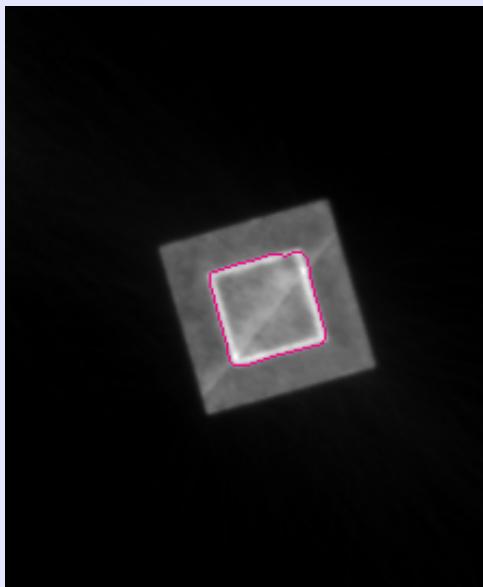
Region 3: No considerable defect

Region 4: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 5: Indicates Lack of fusion

# Quality-Report



Layer Number: 7

Total regions detected: 1

Region 1

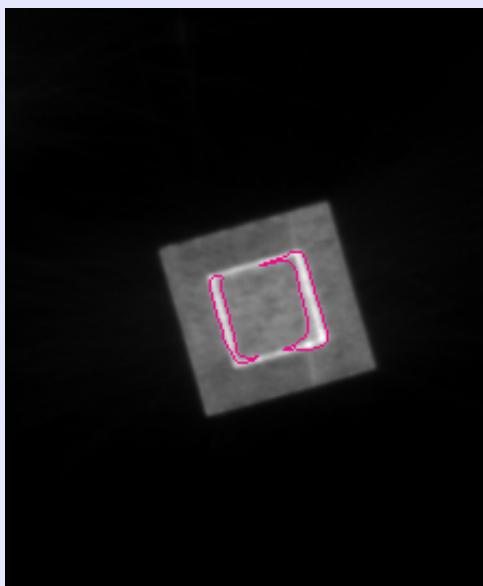
Mean value: 39092 GV

Standard Deviation: 7236 GV

Area: 2118 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 8

Total regions detected: 2

Region 1

Mean value: 43333 GV

Standard Deviation: 5781 GV

Area: 245 px

Region 2

Mean value: 44580 GV

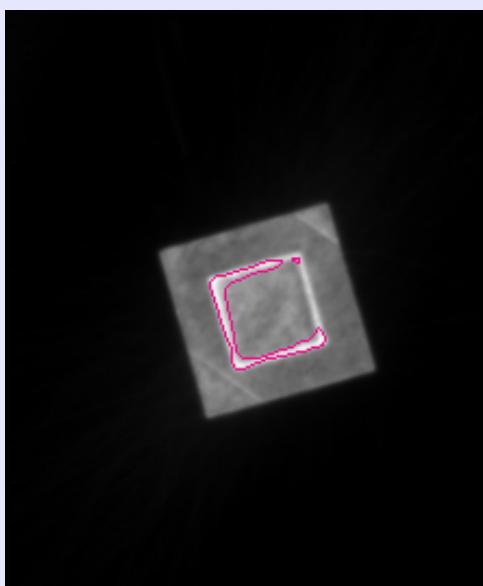
Standard Deviation: 6938 GV

Area: 434 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 9

Total regions detected: 2

Region 1

Mean value: 43809 GV

Standard Deviation: 5612 GV

Area: 547 px

Region 2

Mean value: 42029 GV

Standard Deviation: 3847 GV

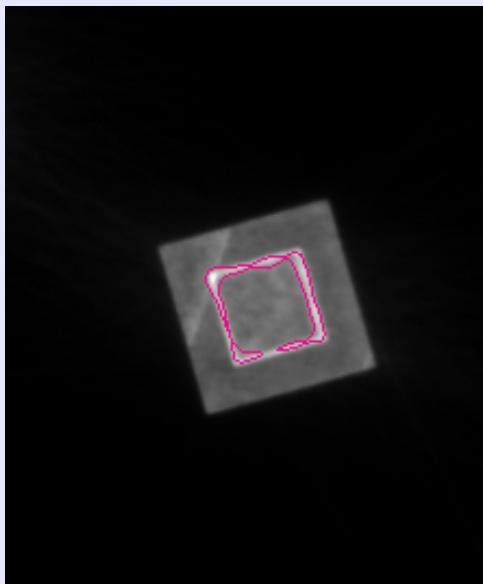
Area: 10 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

# Quality-Report



Layer Number: 10

Total regions detected: 1

Region 1

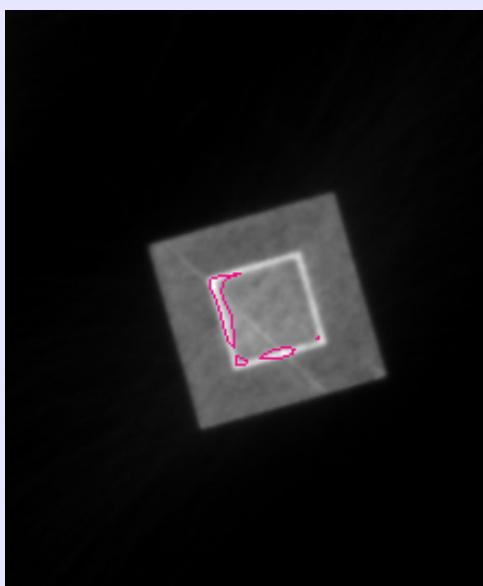
Mean value: 44101 GV

Standard Deviation: 5659 GV

Area: 604 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 11

Total regions detected: 4

Region 1

Mean value: 41549 GV

Standard Deviation: 4949 GV

Area: 23 px

Region 2

Mean value: 43295 GV

Standard Deviation: 5684 GV

Area: 66 px

Region 3

Mean value: 38917 GV

Standard Deviation: 2711 GV

Area: 3 px

Region 4

Mean value: 43133 GV

Standard Deviation: 4988 GV

Area: 183 px

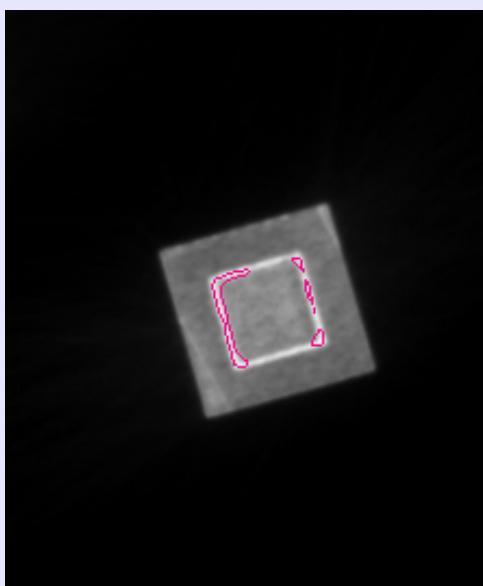
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: No considerable defect

Region 4: Indicates Lack of fusion



Layer Number: 12

Total regions detected: 5

Region 1

Mean value: 44977 GV

Standard Deviation: 5786 GV

Area: 36 px

Region 2

Mean value: 48315 GV

Standard Deviation: 442 GV

Area: 3 px

Region 3

Mean value: 45675 GV

Standard Deviation: 2070 GV

Area: 25 px

Region 4

Mean value: 43528 GV

Standard Deviation: 4726 GV

Area: 216 px

Region 5

Mean value: 43725 GV

Standard Deviation: 3226 GV

Area: 21 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates unsafe Thermal condition-

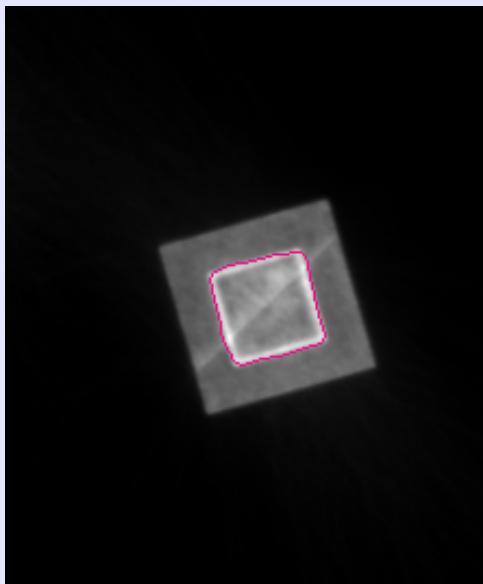
The melt pool is overly heated and stable, which is not ideal

Region 3: No considerable defect

Region 4: Indicates Lack of fusion

Region 5: Indicates Lack of fusion

# Quality-Report



Layer Number: 13

Total regions detected: 1

Region 1

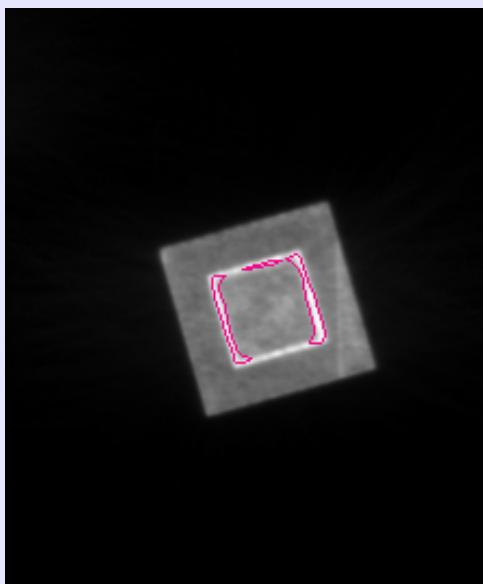
Mean value: 38940 GV

Standard Deviation: 6964 GV

Area: 2090 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 14

Total regions detected: 3

Region 1

Mean value: 43725 GV

Standard Deviation: 4629 GV

Area: 176 px

Region 2

Mean value: 43598 GV

Standard Deviation: 3451 GV

Area: 38 px

Region 3

Mean value: 43856 GV

Standard Deviation: 5179 GV

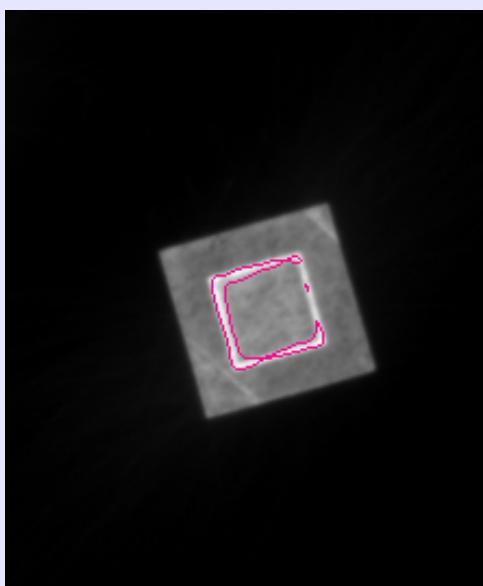
Area: 208 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 15

Total regions detected: 2

Region 1

Mean value: 46371 GV

Standard Deviation: 1186 GV

Area: 5 px

Region 2

Mean value: 43770 GV

Standard Deviation: 5125 GV

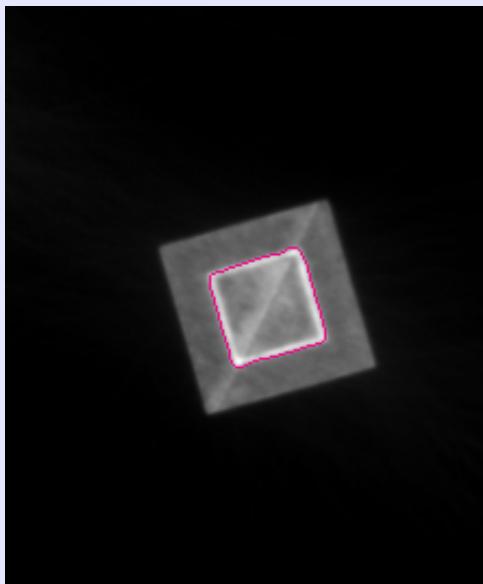
Area: 557 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 16

Total regions detected: 1

Region 1

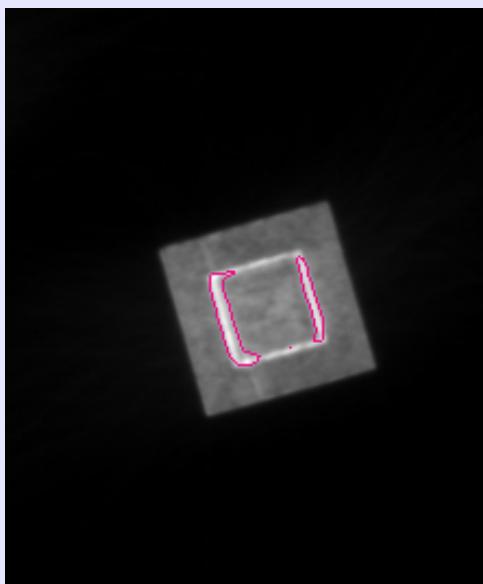
Mean value: 38780 GV

Standard Deviation: 7451 GV

Area: 2109 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 17

Total regions detected: 3

Region 1

Mean value: 43339 GV

Standard Deviation: 0 GV

Area: 1 px

Region 2

Mean value: 44282 GV

Standard Deviation: 6013 GV

Area: 363 px

Region 3

Mean value: 43927 GV

Standard Deviation: 5152 GV

Area: 191 px

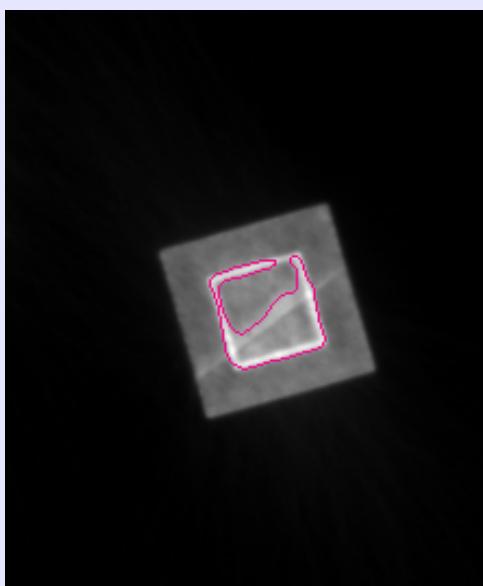
Overall Analysis:

Region 1: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 18

Total regions detected: 1

Region 1

Mean value: 41001 GV

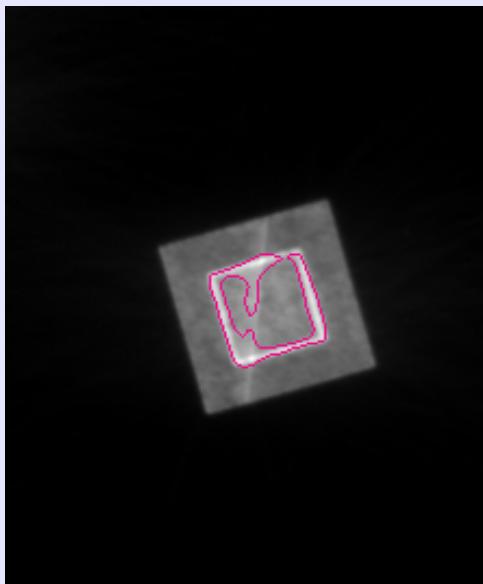
Standard Deviation: 6548 GV

Area: 1400 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 19

Total regions detected: 1

Region 1

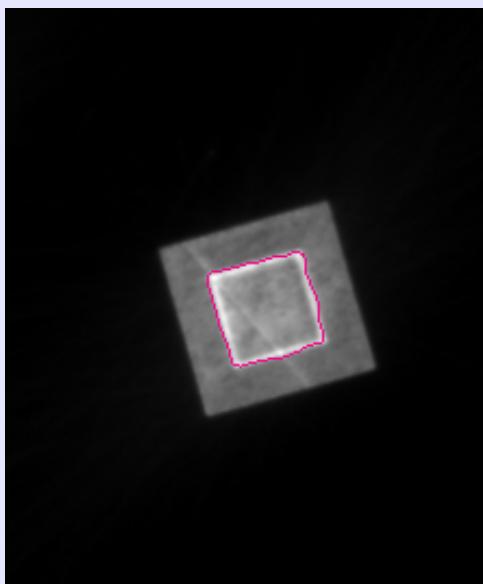
Mean value: 42718 GV

Standard Deviation: 5740 GV

Area: 1024 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 20

Total regions detected: 1

Region 1

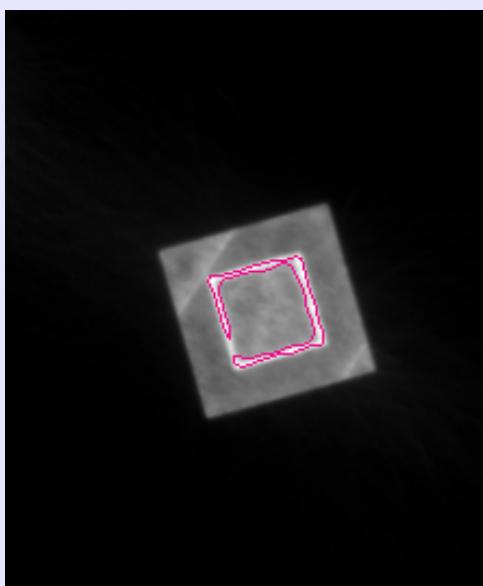
Mean value: 37880 GV

Standard Deviation: 6867 GV

Area: 2084 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 21

Total regions detected: 1

Region 1

Mean value: 43896 GV

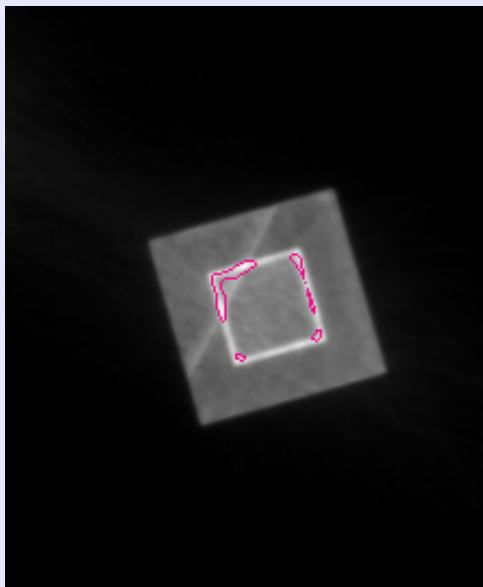
Standard Deviation: 4553 GV

Area: 558 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 22

Total regions detected: 6

Region 1

Mean value: 42709 GV  
Standard Deviation: 4491 GV  
Area: 15 px

Region 2

Mean value: 42353 GV  
Standard Deviation: 4221 GV  
Area: 20 px

Region 3

Mean value: 43949 GV  
Standard Deviation: 2244 GV  
Area: 21 px

Region 4

Mean value: 44277 GV  
Standard Deviation: 0 GV  
Area: 1 px

Region 5

Mean value: 42487 GV  
Standard Deviation: 5014 GV  
Area: 181 px

Region 6

Mean value: 42671 GV  
Standard Deviation: 3897 GV  
Area: 38 px

Overall Analysis:

Region 1: No considerable defect

Region 2: No considerable defect

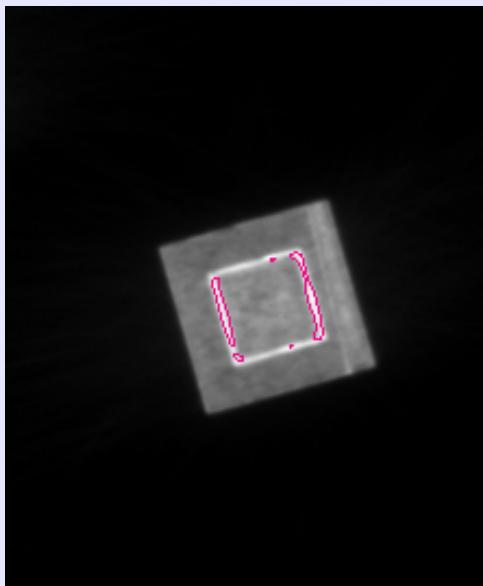
Region 3: No considerable defect

Region 4: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 5: Indicates Lack of fusion

Region 6: Indicates Lack of fusion



Layer Number: 23

Total regions detected: 5

Region 1

Mean value: 42428 GV  
Standard Deviation: 4489 GV  
Area: 15 px

Region 2

Mean value: 46725 GV  
Standard Deviation: 2005 GV  
Area: 3 px

Region 3

Mean value: 43609 GV  
Standard Deviation: 4460 GV  
Area: 121 px

Region 4

Mean value: 42368 GV  
Standard Deviation: 3986 GV  
Area: 5 px

Region 5

Mean value: 43762 GV  
Standard Deviation: 4196 GV  
Area: 160 px

Overall Analysis:

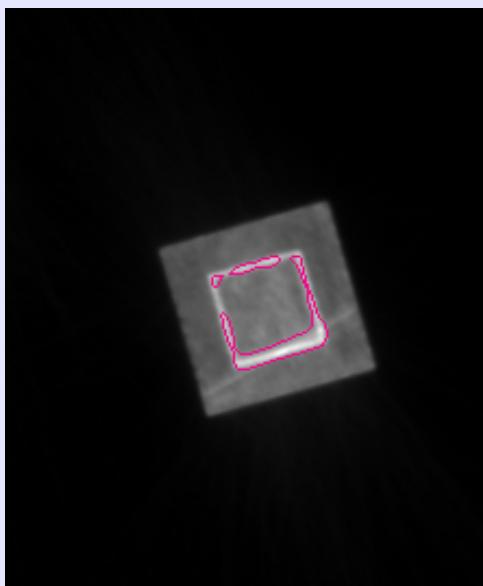
Region 1: No considerable defect

Region 2: No considerable defect

Region 3: Indicates Lack of fusion

Region 4: No considerable defect

Region 5: Indicates Lack of fusion



Layer Number: 24

Total regions detected: 3

Region 1

Mean value: 42949 GV  
Standard Deviation: 5477 GV  
Area: 25 px

Region 2

Mean value: 44766 GV  
Standard Deviation: 7393 GV  
Area: 551 px

Region 3

Mean value: 44053 GV  
Standard Deviation: 5104 GV  
Area: 99 px

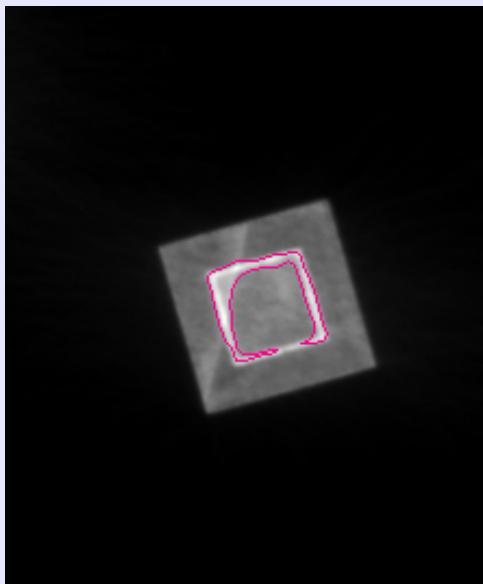
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 25

Total regions detected: 1

Region 1

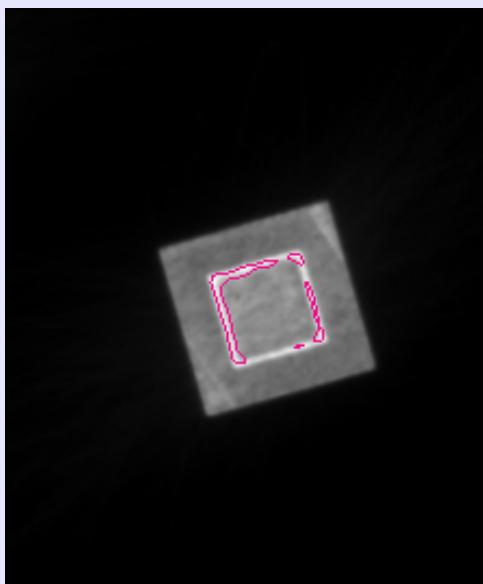
Mean value: 44145 GV

Standard Deviation: 6105 GV

Area: 803 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 26

Total regions detected: 4

Region 1

Mean value: 45573 GV

Standard Deviation: 2073 GV

Area: 7 px

Region 2

Mean value: 44880 GV

Standard Deviation: 3443 GV

Area: 76 px

Region 3

Mean value: 43260 GV

Standard Deviation: 4831 GV

Area: 291 px

Region 4

Mean value: 44055 GV

Standard Deviation: 3904 GV

Area: 30 px

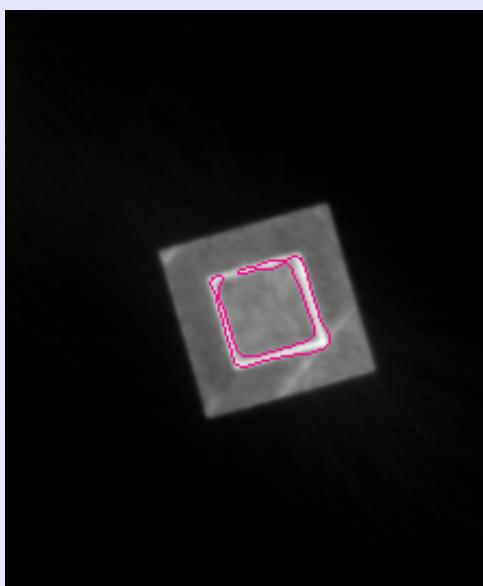
Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

Region 4: Indicates Lack of fusion



Layer Number: 27

Total regions detected: 1

Region 1

Mean value: 43967 GV

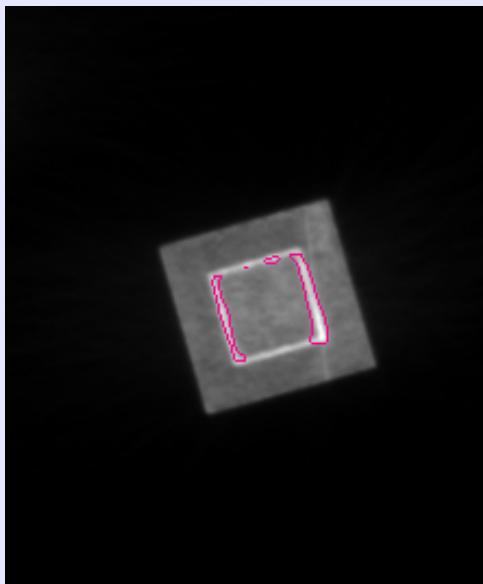
Standard Deviation: 5731 GV

Area: 683 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 28

Total regions detected: 4

Region 1

Mean value: 43611 GV

Standard Deviation: 4618 GV

Area: 160 px

Region 2

Mean value: 45386 GV

Standard Deviation: 632 GV

Area: 2 px

Region 3

Mean value: 43645 GV

Standard Deviation: 5339 GV

Area: 22 px

Region 4

Mean value: 43851 GV

Standard Deviation: 7141 GV

Area: 276 px

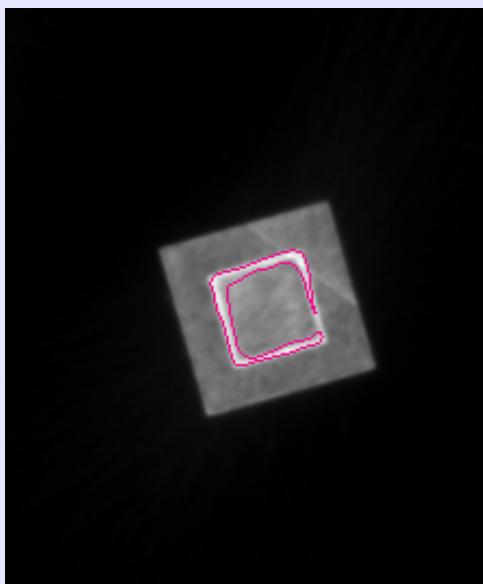
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

Region 3: Indicates Lack of fusion

Region 4: Indicates Lack of fusion



Layer Number: 29

Total regions detected: 1

Region 1

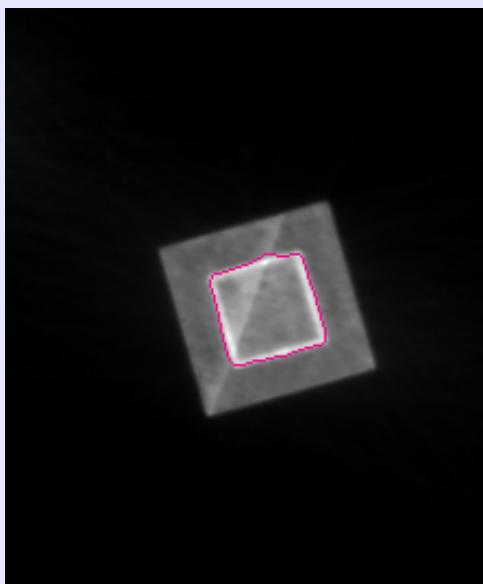
Mean value: 43505 GV

Standard Deviation: 5572 GV

Area: 717 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 30

Total regions detected: 1

Region 1

Mean value: 37783 GV

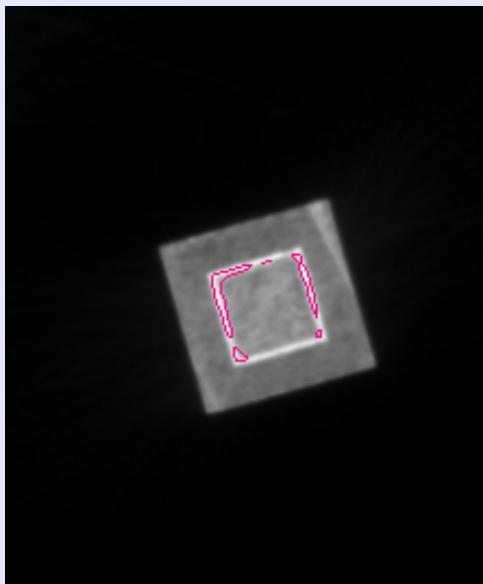
Standard Deviation: 7670 GV

Area: 2079 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 31

Total regions detected: 5

Region 1

Mean value: 41936 GV  
Standard Deviation: 4908 GV  
Area: 32 px

Region 2

Mean value: 40655 GV  
Standard Deviation: 4570 GV  
Area: 11 px

Region 3

Mean value: 43687 GV  
Standard Deviation: 4629 GV  
Area: 170 px

Region 4

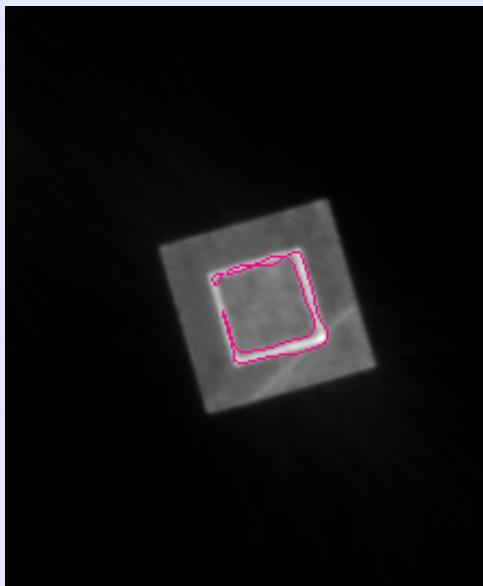
Mean value: 43593 GV  
Standard Deviation: 1468 GV  
Area: 5 px

Region 5

Mean value: 44906 GV  
Standard Deviation: 3550 GV  
Area: 96 px

Overall Analysis:

- Region 1: Indicates Lack of fusion
- Region 2: No considerable defect
- Region 3: Indicates Lack of fusion
- Region 4: No considerable defect
- Region 5: Indicates Lack of fusion



Layer Number: 32

Total regions detected: 2

Region 1

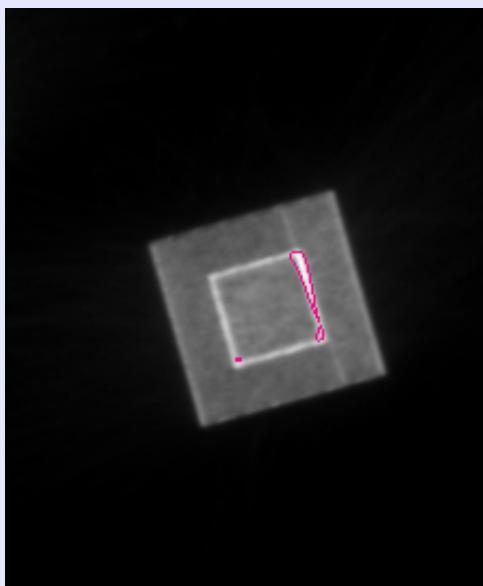
Mean value: 42001 GV  
Standard Deviation: 5257 GV  
Area: 22 px

Region 2

Mean value: 44217 GV  
Standard Deviation: 6154 GV  
Area: 587 px

Overall Analysis:

- Region 1: Indicates Lack of fusion
- Region 2: Indicates Lack of fusion



Layer Number: 33

Total regions detected: 3

Region 1

Mean value: 41034 GV  
Standard Deviation: 3494 GV  
Area: 6 px

Region 2

Mean value: 43362 GV  
Standard Deviation: 3713 GV  
Area: 22 px

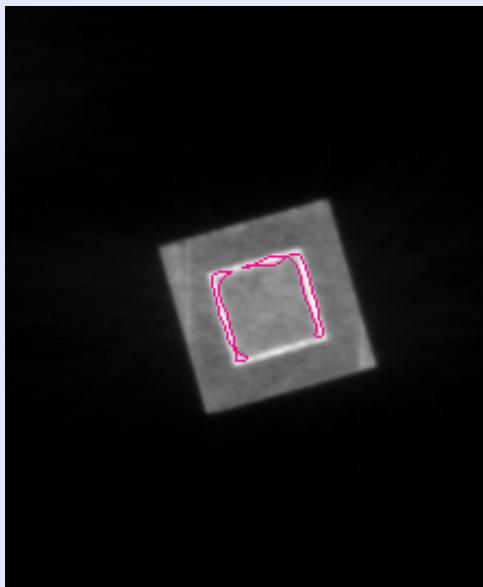
Region 3

Mean value: 45192 GV  
Standard Deviation: 6447 GV  
Area: 139 px

Overall Analysis:

- Region 1: No considerable defect
- Region 2: Indicates Lack of fusion
- Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 34

Total regions detected: 2

Region 1

Mean value: 43857 GV

Standard Deviation: 4470 GV

Area: 167 px

Region 2

Mean value: 43633 GV

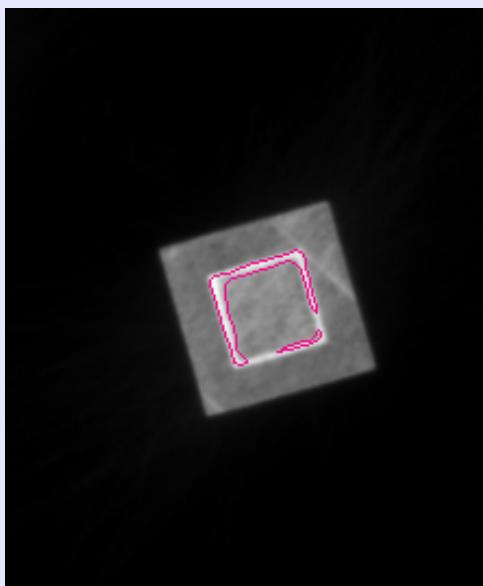
Standard Deviation: 5015 GV

Area: 242 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 35

Total regions detected: 2

Region 1

Mean value: 41503 GV

Standard Deviation: 4484 GV

Area: 59 px

Region 2

Mean value: 43540 GV

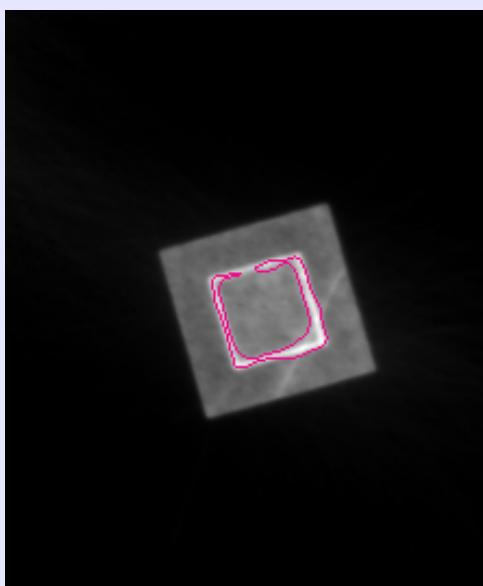
Standard Deviation: 5011 GV

Area: 505 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 36

Total regions detected: 1

Region 1

Mean value: 44123 GV

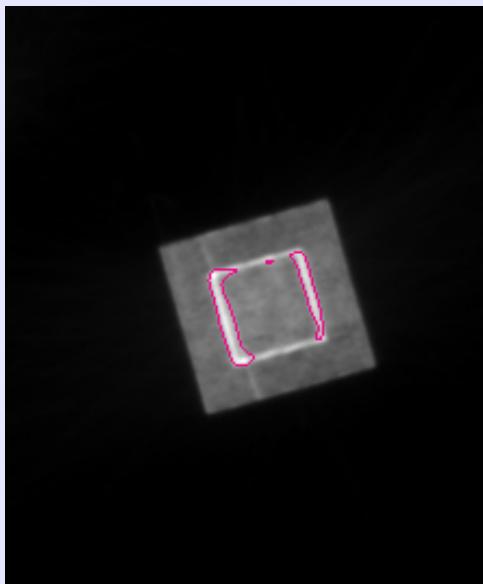
Standard Deviation: 5939 GV

Area: 684 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 37

Total regions detected: 3

Region 1

Mean value: 44744 GV

Standard Deviation: 6784 GV

Area: 365 px

Region 2

Mean value: 40405 GV

Standard Deviation: 2948 GV

Area: 7 px

Region 3

Mean value: 43901 GV

Standard Deviation: 5875 GV

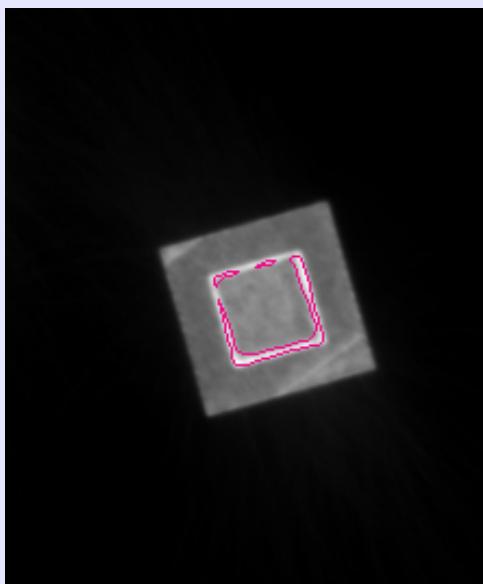
Area: 216 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

Region 3: Indicates Lack of fusion



Layer Number: 38

Total regions detected: 3

Region 1

Mean value: 42431 GV

Standard Deviation: 4233 GV

Area: 36 px

Region 2

Mean value: 42959 GV

Standard Deviation: 3876 GV

Area: 21 px

Region 3

Mean value: 44133 GV

Standard Deviation: 4871 GV

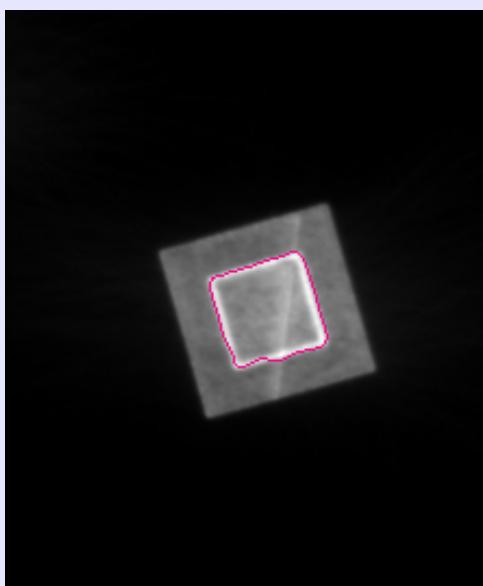
Area: 420 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 39

Total regions detected: 1

Region 1

Mean value: 37741 GV

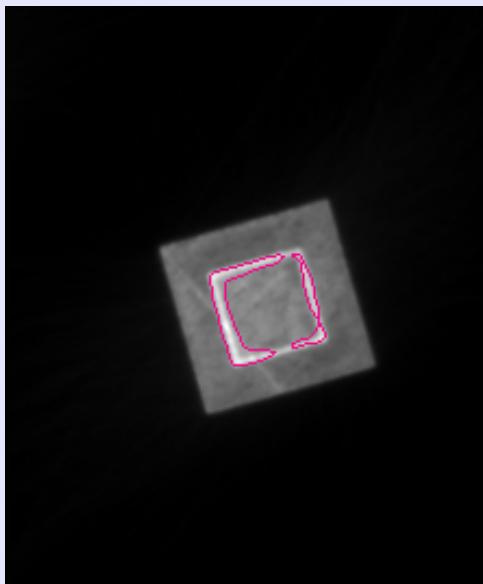
Standard Deviation: 7398 GV

Area: 2067 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 40

Total regions detected: 2

Region 1

Mean value: 43747 GV

Standard Deviation: 5031 GV

Area: 204 px

Region 2

Mean value: 44026 GV

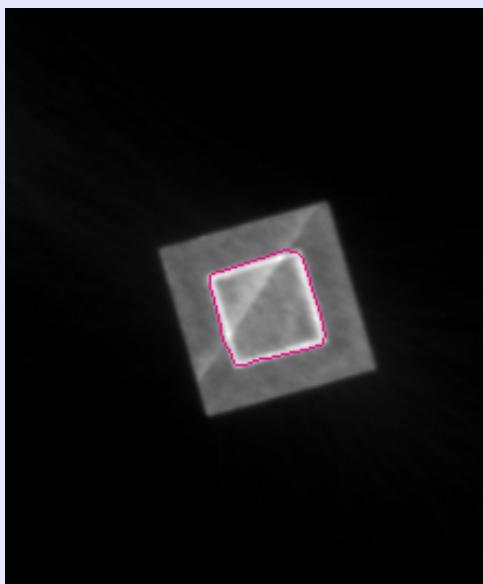
Standard Deviation: 6706 GV

Area: 549 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 41

Total regions detected: 1

Region 1

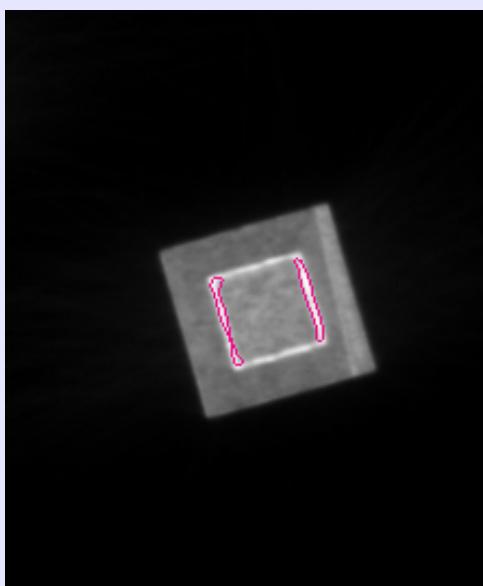
Mean value: 38150 GV

Standard Deviation: 7781 GV

Area: 2092 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 42

Total regions detected: 2

Region 1

Mean value: 43861 GV

Standard Deviation: 4459 GV

Area: 143 px

Region 2

Mean value: 43857 GV

Standard Deviation: 4708 GV

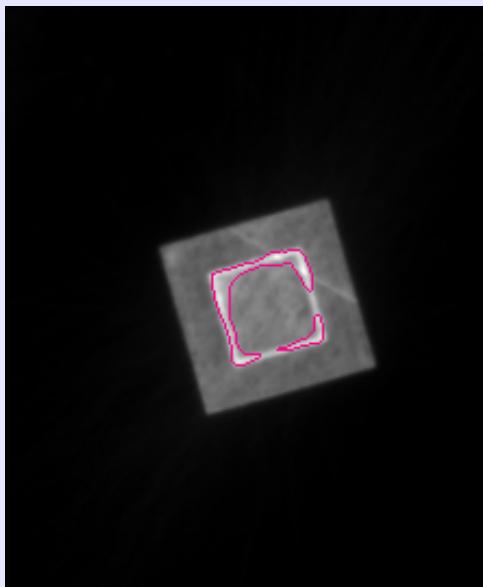
Area: 168 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 43

Total regions detected: 2

Region 1

Mean value: 44058 GV

Standard Deviation: 5367 GV

Area: 119 px

Region 2

Mean value: 43816 GV

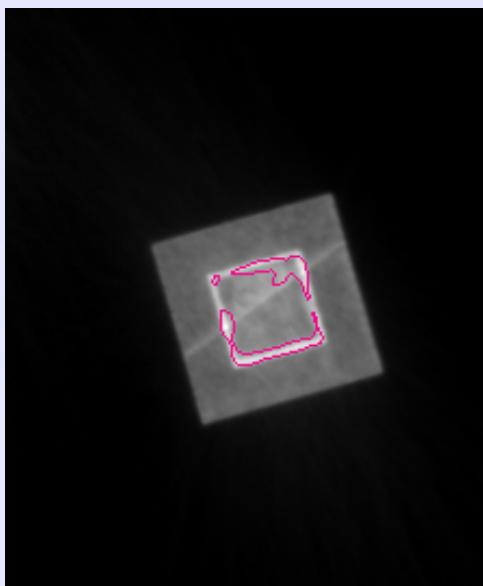
Standard Deviation: 5876 GV

Area: 592 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 44

Total regions detected: 3

Region 1

Mean value: 43387 GV

Standard Deviation: 5382 GV

Area: 343 px

Region 2

Mean value: 41838 GV

Standard Deviation: 3504 GV

Area: 15 px

Region 3

Mean value: 40369 GV

Standard Deviation: 5035 GV

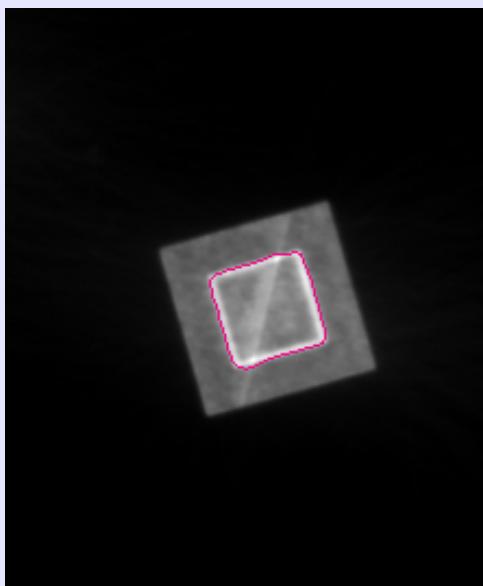
Area: 295 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

Region 3: Indicates Lack of fusion



Layer Number: 45

Total regions detected: 1

Region 1

Mean value: 37965 GV

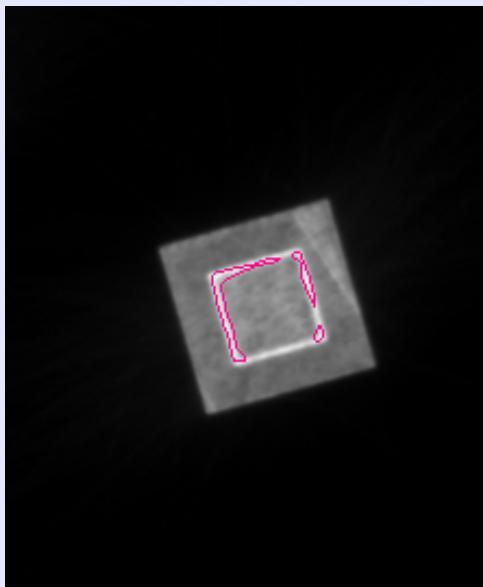
Standard Deviation: 7348 GV

Area: 2080 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 46

Total regions detected: 3

Region 1

Mean value: 44287 GV

Standard Deviation: 4713 GV

Area: 28 px

Region 2

Mean value: 43604 GV

Standard Deviation: 4678 GV

Area: 274 px

Region 3

Mean value: 44160 GV

Standard Deviation: 3608 GV

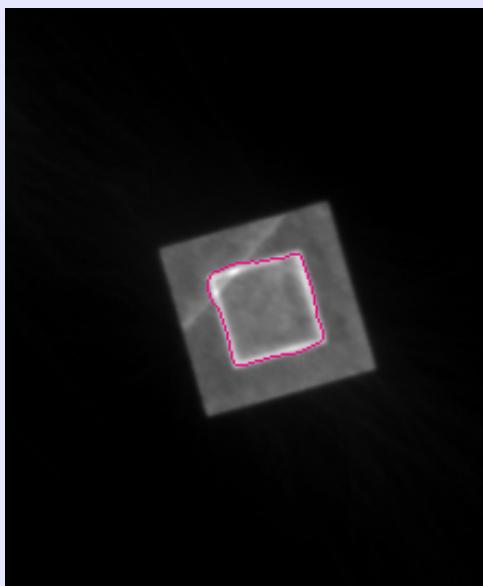
Area: 88 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 47

Total regions detected: 1

Region 1

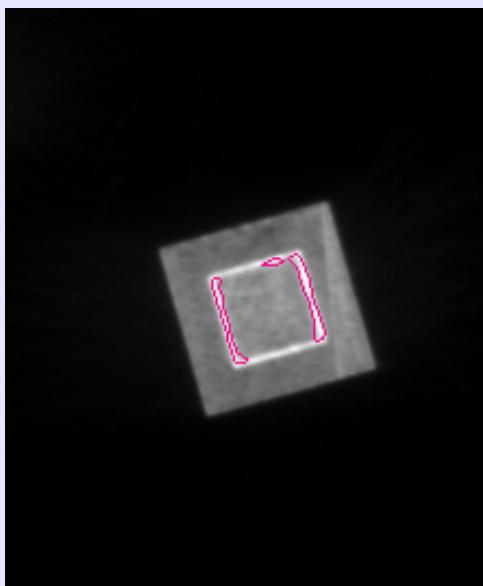
Mean value: 35023 GV

Standard Deviation: 8282 GV

Area: 2015 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 48

Total regions detected: 3

Region 1

Mean value: 43458 GV

Standard Deviation: 4640 GV

Area: 151 px

Region 2

Mean value: 42426 GV

Standard Deviation: 3851 GV

Area: 29 px

Region 3

Mean value: 43334 GV

Standard Deviation: 4656 GV

Area: 189 px

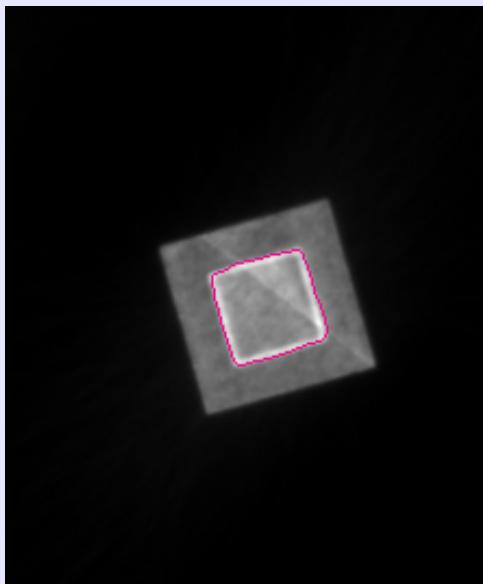
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 49

Total regions detected: 1

Region 1

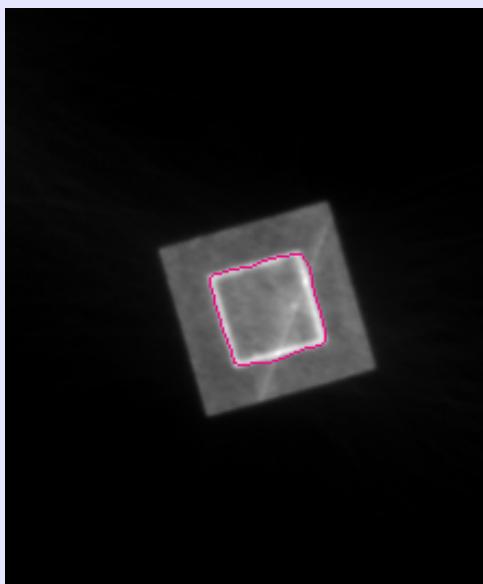
Mean value: 38337 GV

Standard Deviation: 6553 GV

Area: 2078 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 50

Total regions detected: 1

Region 1

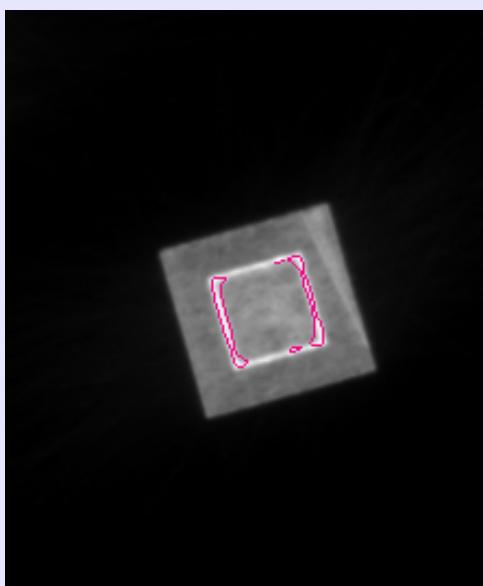
Mean value: 36915 GV

Standard Deviation: 8176 GV

Area: 2065 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 51

Total regions detected: 4

Region 1

Mean value: 45849 GV

Standard Deviation: 2927 GV

Area: 13 px

Region 2

Mean value: 43801 GV

Standard Deviation: 4675 GV

Area: 187 px

Region 3

Mean value: 43229 GV

Standard Deviation: 1948 GV

Area: 5 px

Region 4

Mean value: 43993 GV

Standard Deviation: 4461 GV

Area: 159 px

Overall Analysis:

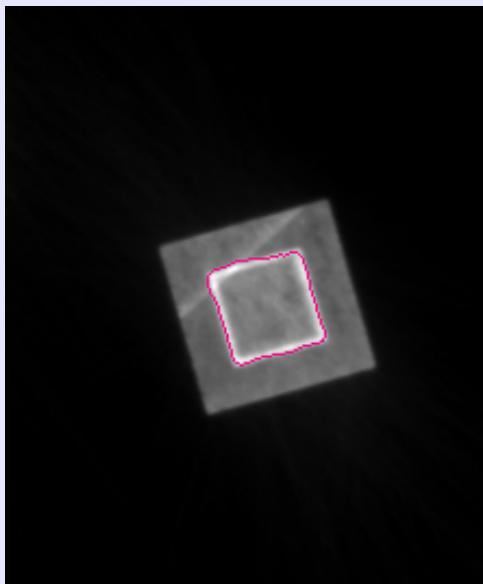
Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: No considerable defect

Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 52

Total regions detected: 1

Region 1

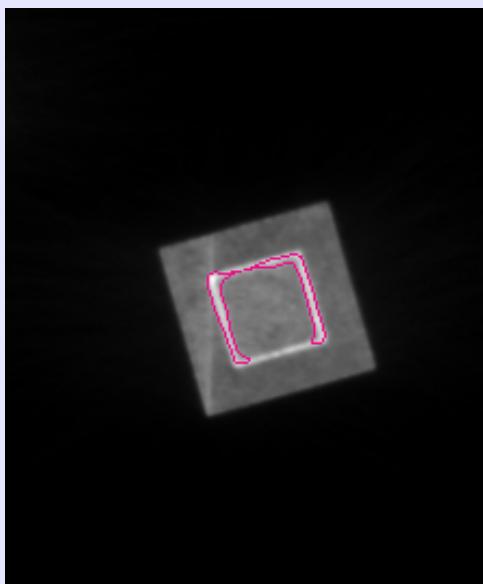
Mean value: 35056 GV

Standard Deviation: 8187 GV

Area: 2029 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 53

Total regions detected: 2

Region 1

Mean value: 43449 GV

Standard Deviation: 5738 GV

Area: 257 px

Region 2

Mean value: 43753 GV

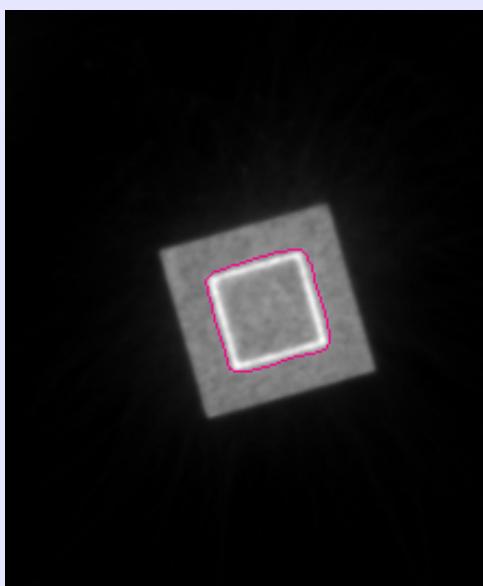
Standard Deviation: 5116 GV

Area: 284 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 54

Total regions detected: 1

Region 1

Mean value: 38741 GV

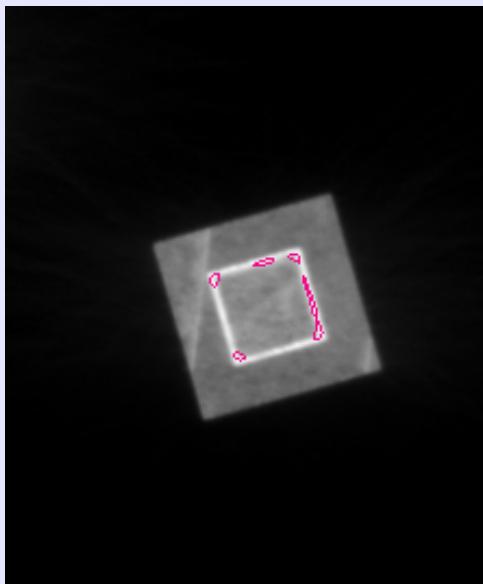
Standard Deviation: 8059 GV

Area: 2438 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 55

Total regions detected: 5

Region 1

Mean value: 41796 GV  
Standard Deviation: 4615 GV  
Area: 19 px

Region 2

Mean value: 44276 GV  
Standard Deviation: 3392 GV  
Area: 74 px

Region 3

Mean value: 42889 GV  
Standard Deviation: 4032 GV  
Area: 25 px

Region 4

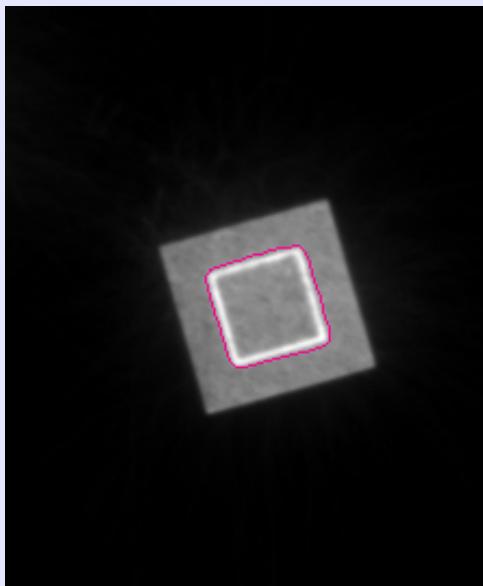
Mean value: 43899 GV  
Standard Deviation: 3462 GV  
Area: 25 px

Region 5

Mean value: 40911 GV  
Standard Deviation: 4141 GV  
Area: 19 px

Overall Analysis:

Region 1: No considerable defect  
Region 2: Indicates Lack of fusion  
Region 3: Indicates Lack of fusion  
Region 4: Indicates Lack of fusion  
Region 5: No considerable defect



Layer Number: 56

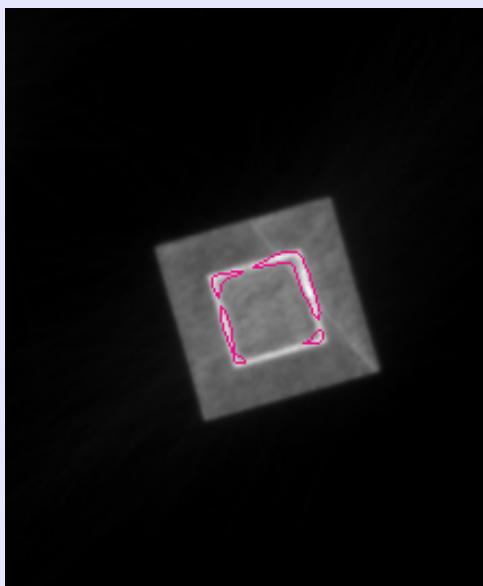
Total regions detected: 1

Region 1

Mean value: 38032 GV  
Standard Deviation: 7937 GV  
Area: 2388 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 57

Total regions detected: 4

Region 1

Mean value: 43529 GV  
Standard Deviation: 5417 GV  
Area: 38 px

Region 2

Mean value: 43943 GV  
Standard Deviation: 3703 GV  
Area: 95 px

Region 3

Mean value: 43249 GV  
Standard Deviation: 4450 GV  
Area: 73 px

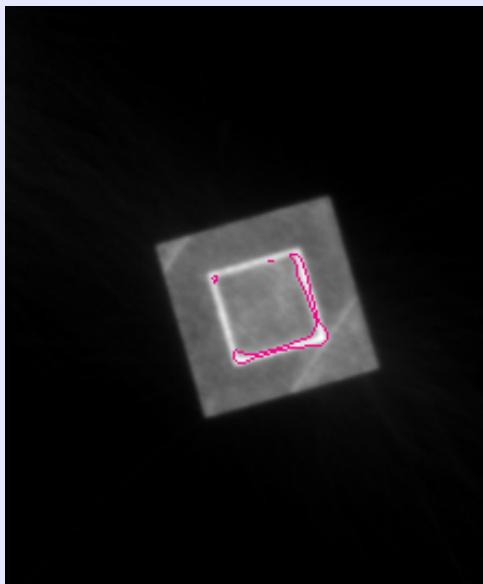
Region 4

Mean value: 43865 GV  
Standard Deviation: 6095 GV  
Area: 253 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: Indicates Lack of fusion  
Region 3: Indicates Lack of fusion  
Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 58

Total regions detected: 3

Region 1

Mean value: 43109 GV

Standard Deviation: 3057 GV

Area: 8 px

Region 2

Mean value: 42489 GV

Standard Deviation: 804 GV

Area: 3 px

Region 3

Mean value: 44194 GV

Standard Deviation: 4701 GV

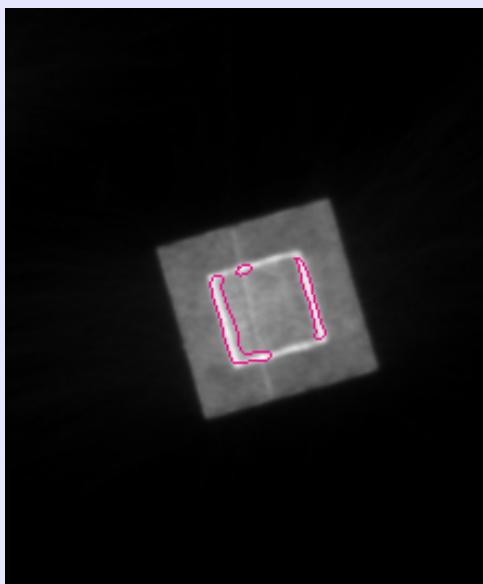
Area: 313 px

Overall Analysis:

Region 1: No considerable defect

Region 2: No considerable defect

Region 3: Indicates Lack of fusion



Layer Number: 59

Total regions detected: 3

Region 1

Mean value: 42383 GV

Standard Deviation: 5463 GV

Area: 328 px

Region 2

Mean value: 42907 GV

Standard Deviation: 5456 GV

Area: 32 px

Region 3

Mean value: 44315 GV

Standard Deviation: 4595 GV

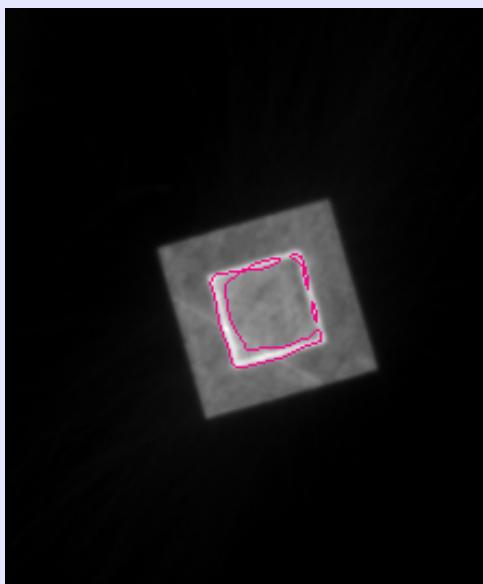
Area: 162 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 60

Total regions detected: 3

Region 1

Mean value: 45275 GV

Standard Deviation: 2376 GV

Area: 20 px

Region 2

Mean value: 43096 GV

Standard Deviation: 5809 GV

Area: 609 px

Region 3

Mean value: 44532 GV

Standard Deviation: 3411 GV

Area: 44 px

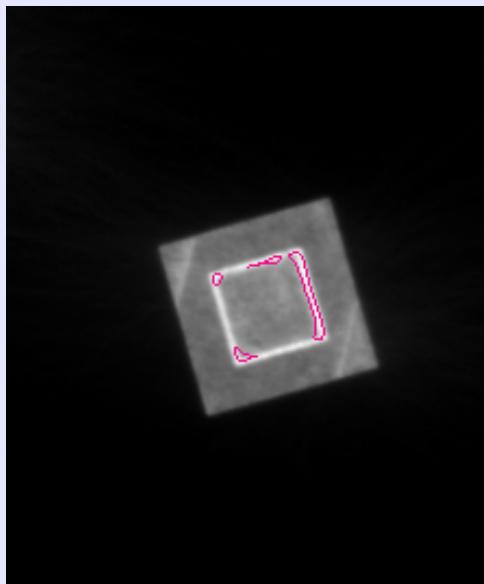
Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 61

Total regions detected: 4

Region 1

Mean value: 41744 GV

Standard Deviation: 4941 GV

Area: 37 px

Region 2

Mean value: 43875 GV

Standard Deviation: 4653 GV

Area: 23 px

Region 3

Mean value: 43627 GV

Standard Deviation: 3527 GV

Area: 32 px

Region 4

Mean value: 43918 GV

Standard Deviation: 4406 GV

Area: 176 px

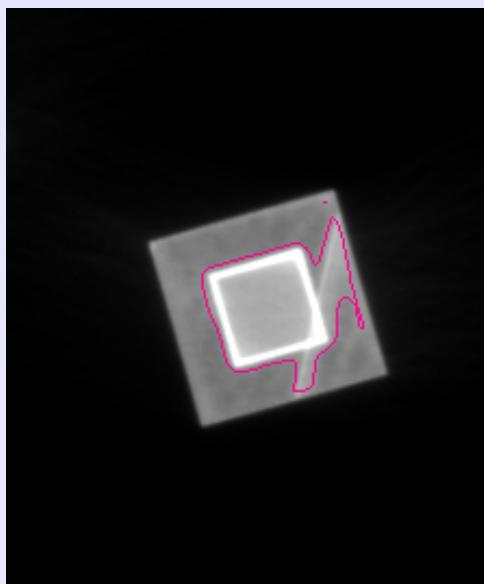
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

Region 4: Indicates Lack of fusion



Layer Number: 62

Total regions detected: 2

Region 1

Mean value: 47834 GV

Standard Deviation: 9120 GV

Area: 3359 px

Region 2

Mean value: 38550 GV

Standard Deviation: 129 GV

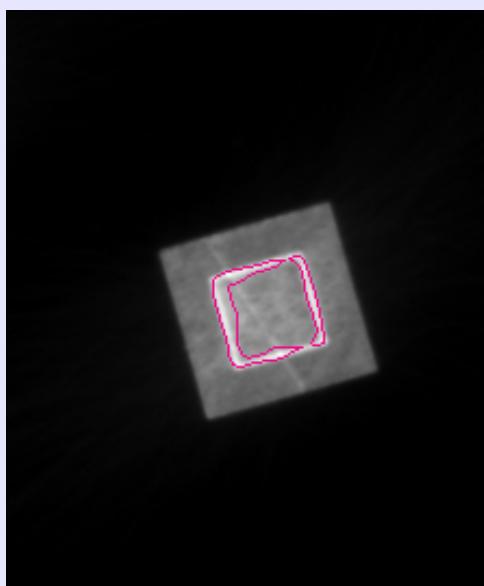
Area: 2 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal



Layer Number: 63

Total regions detected: 2

Region 1

Mean value: 42776 GV

Standard Deviation: 5345 GV

Area: 572 px

Region 2

Mean value: 43682 GV

Standard Deviation: 4802 GV

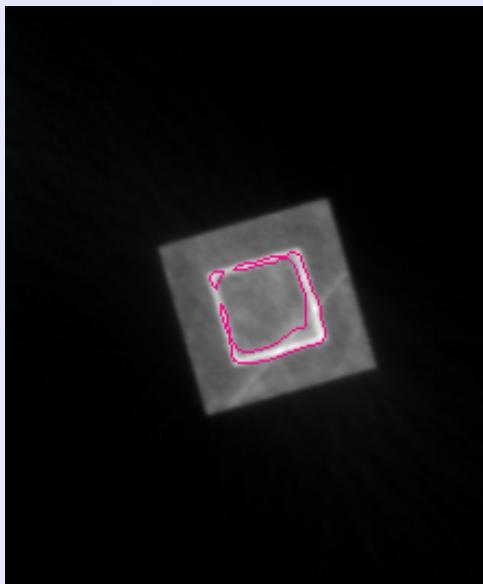
Area: 200 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 64

Total regions detected: 2

Region 1

Mean value: 44149 GV

Standard Deviation: 4539 GV

Area: 38 px

Region 2

Mean value: 43967 GV

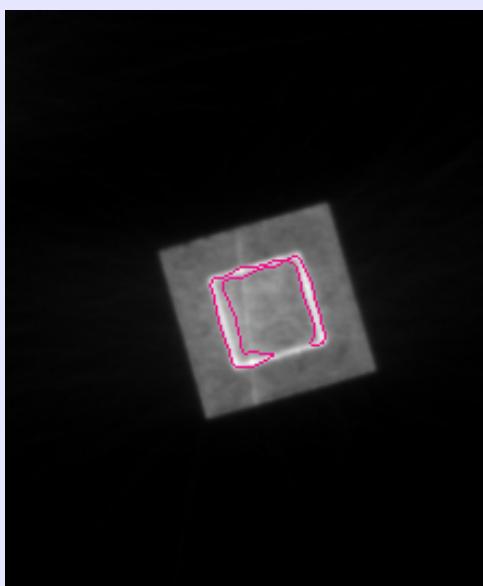
Standard Deviation: 6022 GV

Area: 687 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 65

Total regions detected: 1

Region 1

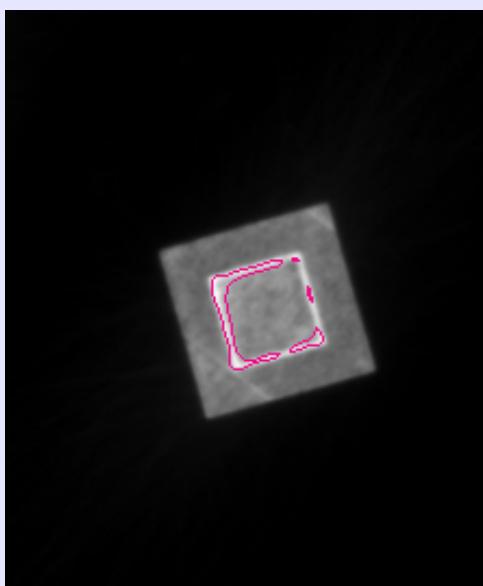
Mean value: 42830 GV

Standard Deviation: 5223 GV

Area: 714 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 66

Total regions detected: 4

Region 1

Mean value: 42771 GV

Standard Deviation: 5028 GV

Area: 73 px

Region 2

Mean value: 45584 GV

Standard Deviation: 1147 GV

Area: 14 px

Region 3

Mean value: 43262 GV

Standard Deviation: 4805 GV

Area: 400 px

Region 4

Mean value: 42509 GV

Standard Deviation: 4084 GV

Area: 7 px

Overall Analysis:

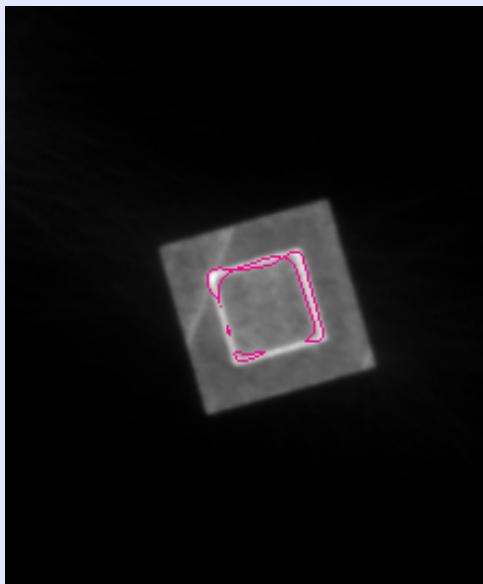
Region 1: Indicates Lack of fusion

Region 2: No considerable defect

Region 3: Indicates Lack of fusion

Region 4: No considerable defect

# Quality-Report



Layer Number: 67

Total regions detected: 4

Region 1

Mean value: 42041 GV

Standard Deviation: 4726 GV

Area: 47 px

Region 2

Mean value: 44916 GV

Standard Deviation: 1498 GV

Area: 7 px

Region 3

Mean value: 45068 GV

Standard Deviation: 0 GV

Area: 1 px

Region 4

Mean value: 44198 GV

Standard Deviation: 5329 GV

Area: 392 px

Overall Analysis:

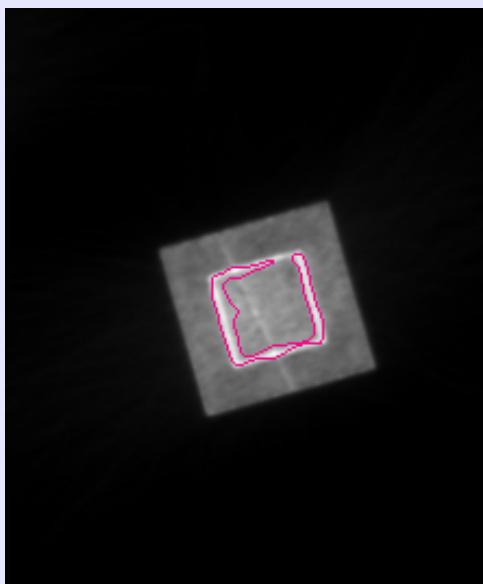
Region 1: Indicates Lack of fusion

Region 2: No considerable defect

Region 3: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 4: Indicates Lack of fusion



Layer Number: 68

Total regions detected: 1

Region 1

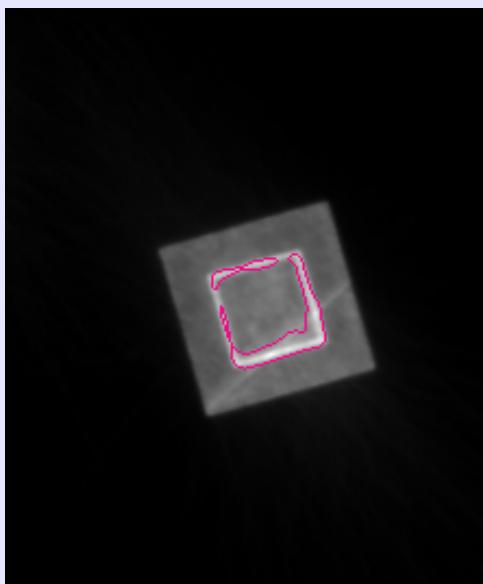
Mean value: 42659 GV

Standard Deviation: 5572 GV

Area: 749 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 69

Total regions detected: 2

Region 1

Mean value: 43954 GV

Standard Deviation: 4824 GV

Area: 134 px

Region 2

Mean value: 44270 GV

Standard Deviation: 6681 GV

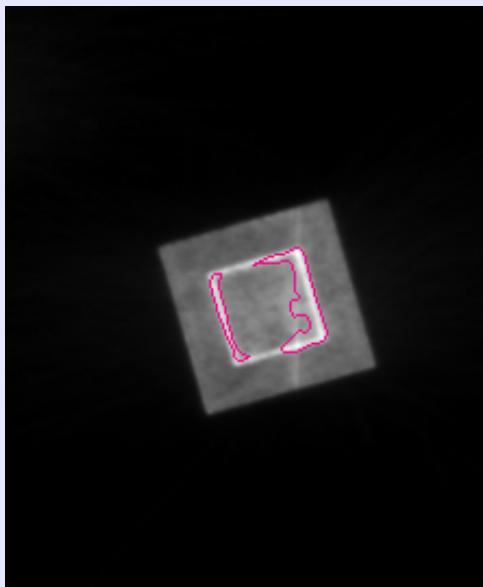
Area: 637 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 70

Total regions detected: 2

Region 1

Mean value: 43128 GV

Standard Deviation: 4476 GV

Area: 178 px

Region 2

Mean value: 42884 GV

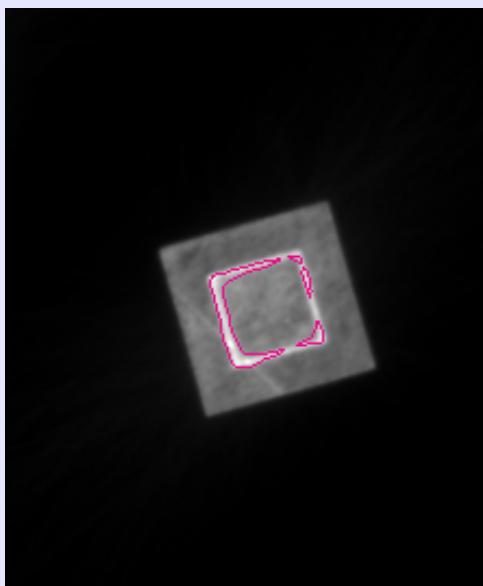
Standard Deviation: 6039 GV

Area: 559 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 71

Total regions detected: 4

Region 1

Mean value: 43138 GV

Standard Deviation: 5364 GV

Area: 66 px

Region 2

Mean value: 45172 GV

Standard Deviation: 3277 GV

Area: 40 px

Region 3

Mean value: 43818 GV

Standard Deviation: 5808 GV

Area: 447 px

Region 4

Mean value: 41332 GV

Standard Deviation: 3776 GV

Area: 18 px

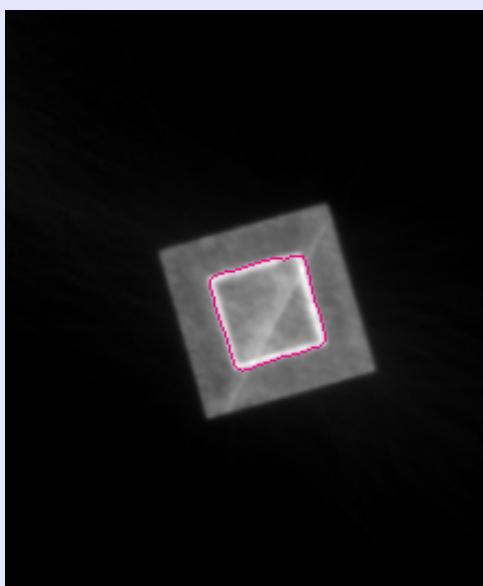
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

Region 4: No considerable defect



Layer Number: 72

Total regions detected: 1

Region 1

Mean value: 37355 GV

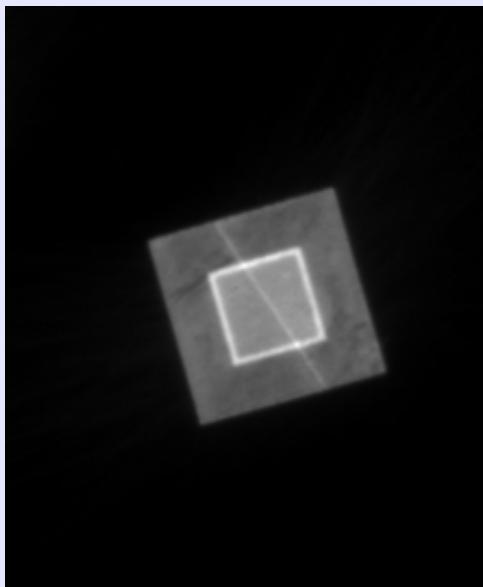
Standard Deviation: 7279 GV

Area: 2061 px

Overall Analysis:

Region 1: Indicates Lack of fusion

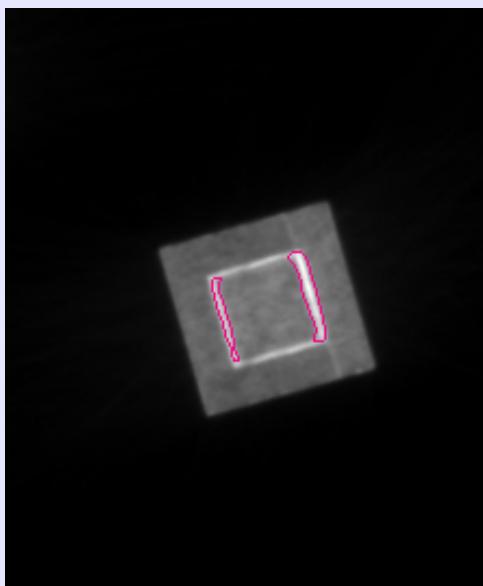
# Quality-Report



Layer Number: 73

Total regions detected: 0

Overall Analysis:



Layer Number: 74

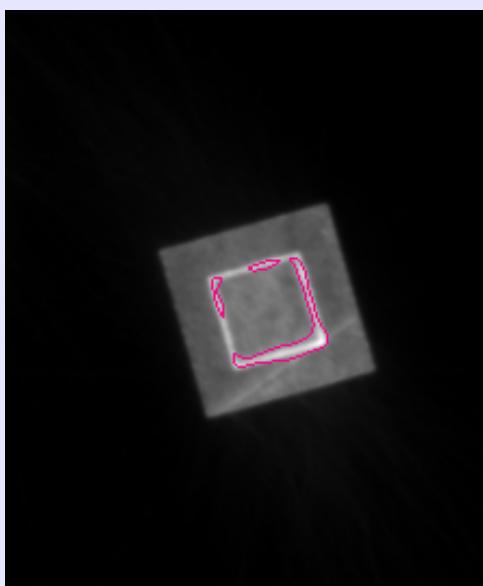
Total regions detected: 2

Region 1  
Mean value: 43680 GV  
Standard Deviation: 4103 GV  
Area: 151 px

Region 2  
Mean value: 44667 GV  
Standard Deviation: 7968 GV  
Area: 280 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: Indicates Lack of fusion



Layer Number: 75

Total regions detected: 3

Region 1  
Mean value: 43889 GV  
Standard Deviation: 4343 GV  
Area: 61 px

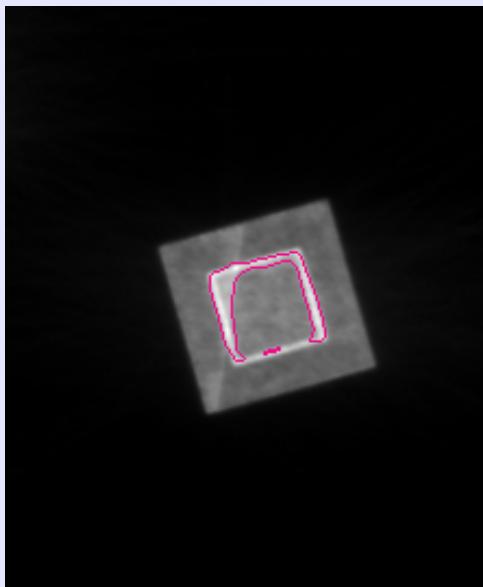
Region 2  
Mean value: 44012 GV  
Standard Deviation: 4950 GV  
Area: 49 px

Region 3  
Mean value: 44028 GV  
Standard Deviation: 6488 GV  
Area: 436 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: Indicates Lack of fusion  
Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 76

Total regions detected: 2

Region 1

Mean value: 44490 GV

Standard Deviation: 3574 GV

Area: 16 px

Region 2

Mean value: 44267 GV

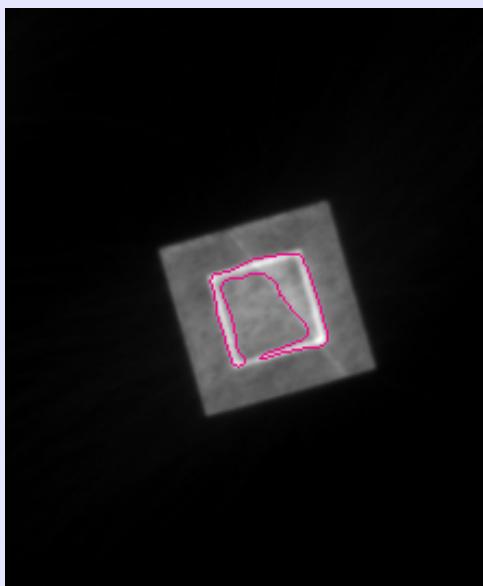
Standard Deviation: 5859 GV

Area: 734 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion



Layer Number: 77

Total regions detected: 1

Region 1

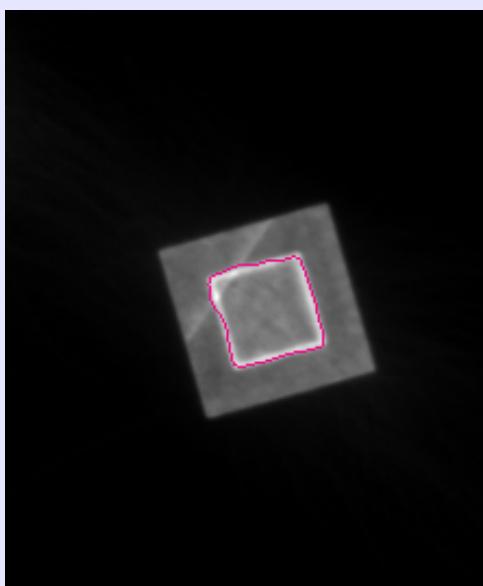
Mean value: 42401 GV

Standard Deviation: 6256 GV

Area: 1115 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 78

Total regions detected: 1

Region 1

Mean value: 35101 GV

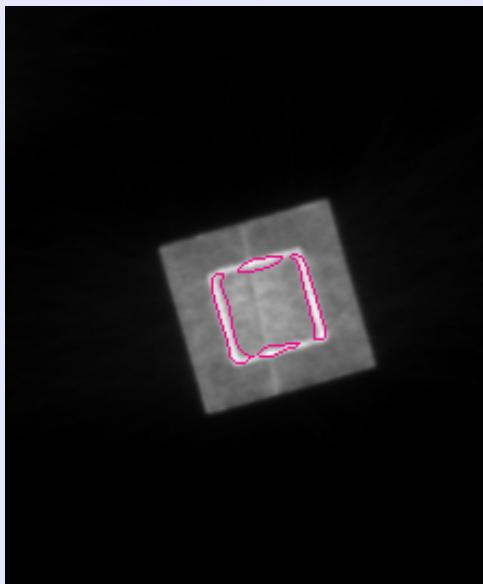
Standard Deviation: 7893 GV

Area: 1997 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 79

Total regions detected: 4

Region 1

Mean value: 43070 GV

Standard Deviation: 5419 GV

Area: 76 px

Region 2

Mean value: 42510 GV

Standard Deviation: 5378 GV

Area: 254 px

Region 3

Mean value: 42259 GV

Standard Deviation: 5557 GV

Area: 102 px

Region 4

Mean value: 43437 GV

Standard Deviation: 5700 GV

Area: 211 px

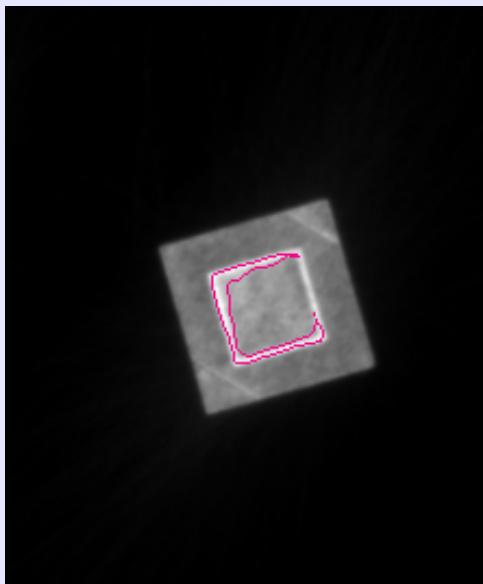
Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

Region 4: Indicates Lack of fusion



Layer Number: 80

Total regions detected: 2

Region 1

Mean value: 40976 GV

Standard Deviation: 1188 GV

Area: 2 px

Region 2

Mean value: 43055 GV

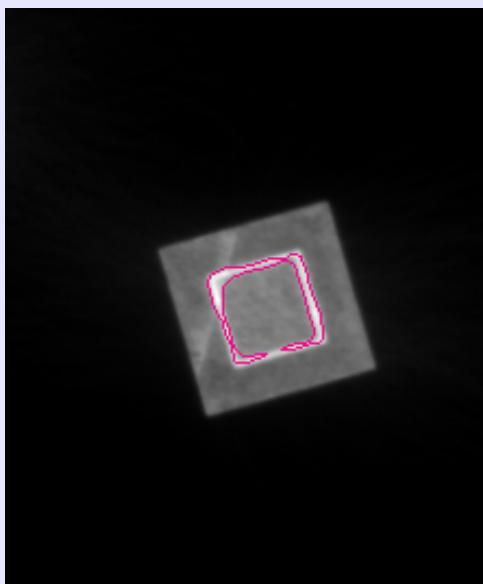
Standard Deviation: 4900 GV

Area: 565 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion



Layer Number: 81

Total regions detected: 1

Region 1

Mean value: 44183 GV

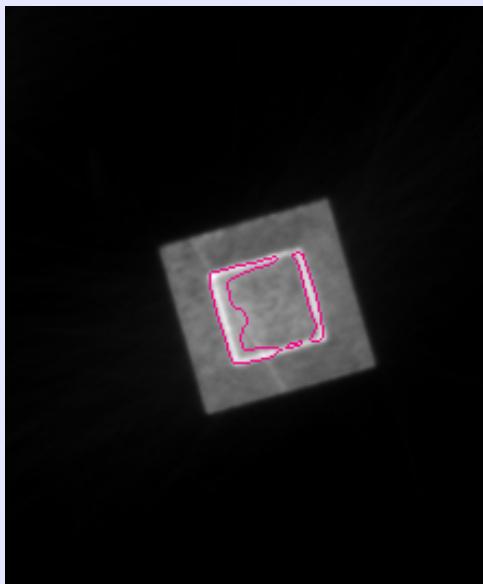
Standard Deviation: 5531 GV

Area: 627 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 82

Total regions detected: 3

Region 1

Mean value: 44604 GV

Standard Deviation: 3798 GV

Area: 18 px

Region 2

Mean value: 42885 GV

Standard Deviation: 5736 GV

Area: 608 px

Region 3

Mean value: 43611 GV

Standard Deviation: 5374 GV

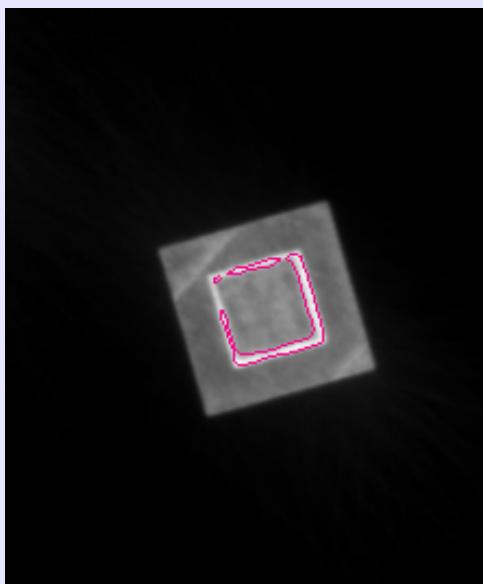
Area: 208 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 83

Total regions detected: 3

Region 1

Mean value: 41258 GV

Standard Deviation: 3681 GV

Area: 10 px

Region 2

Mean value: 44177 GV

Standard Deviation: 4230 GV

Area: 79 px

Region 3

Mean value: 44516 GV

Standard Deviation: 5341 GV

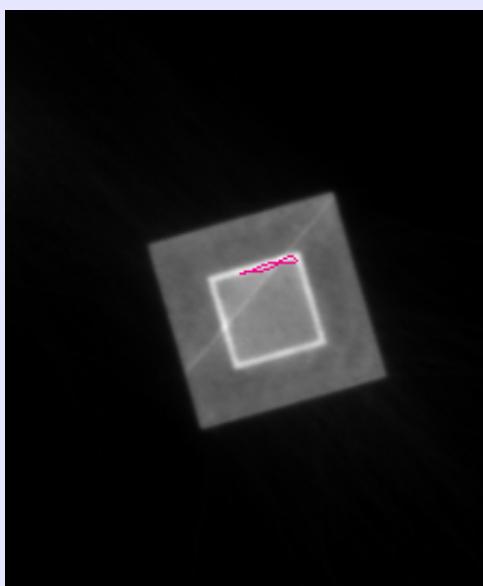
Area: 467 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 84

Total regions detected: 1

Region 1

Mean value: 41170 GV

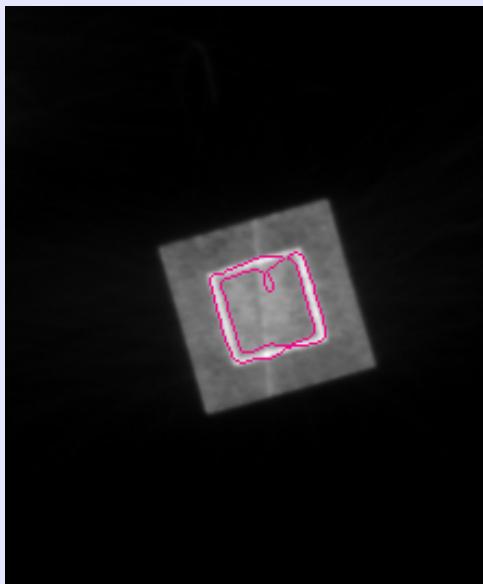
Standard Deviation: 4232 GV

Area: 67 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 85

Total regions detected: 1

Region 1

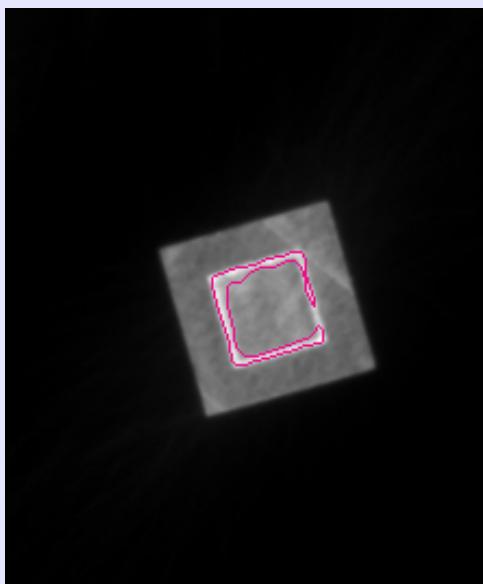
Mean value: 42854 GV

Standard Deviation: 5895 GV

Area: 829 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 86

Total regions detected: 1

Region 1

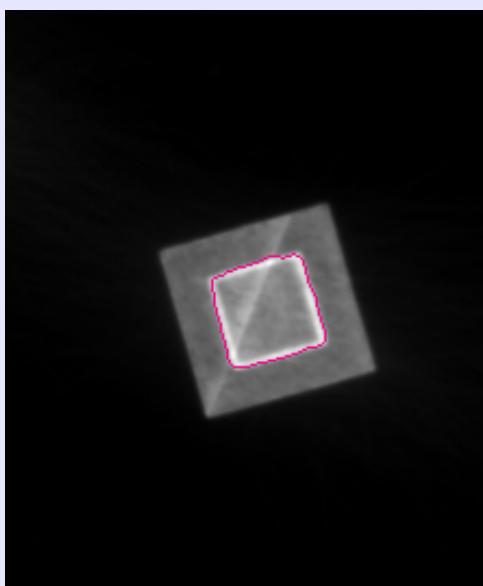
Mean value: 43273 GV

Standard Deviation: 4998 GV

Area: 651 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 87

Total regions detected: 1

Region 1

Mean value: 37705 GV

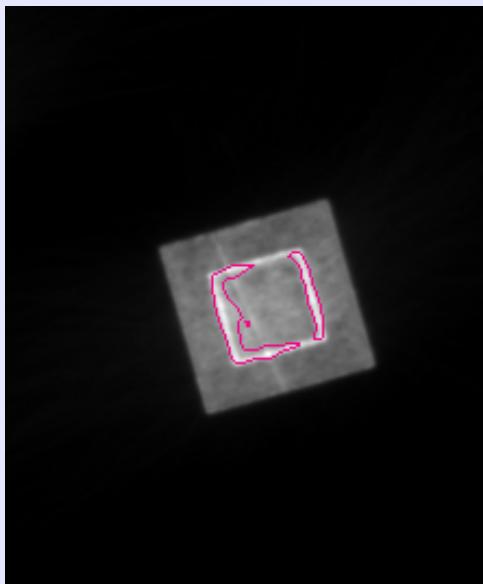
Standard Deviation: 7541 GV

Area: 2067 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 88

Total regions detected: 3

Region 1

Mean value: 36572 GV

Standard Deviation: 655 GV

Area: 7 px

Region 2

Mean value: 42375 GV

Standard Deviation: 5441 GV

Area: 528 px

Region 3

Mean value: 43646 GV

Standard Deviation: 5546 GV

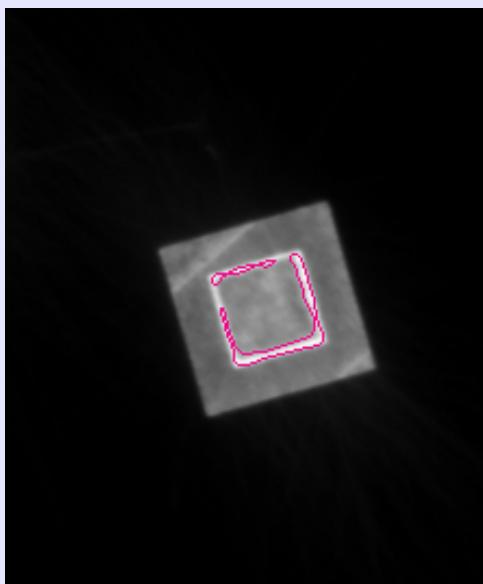
Area: 215 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 89

Total regions detected: 2

Region 1

Mean value: 44187 GV

Standard Deviation: 3788 GV

Area: 83 px

Region 2

Mean value: 44126 GV

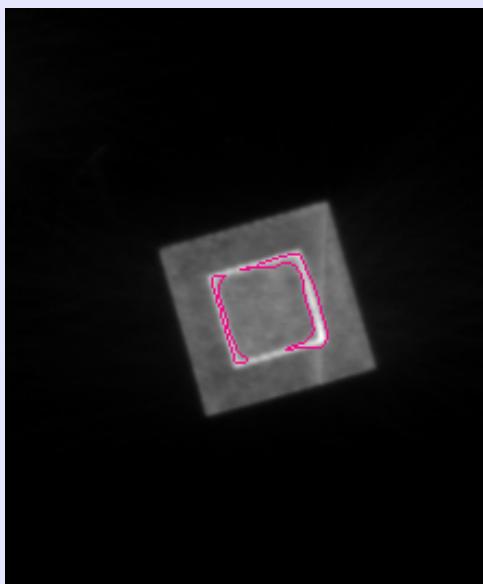
Standard Deviation: 5040 GV

Area: 431 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 90

Total regions detected: 2

Region 1

Mean value: 43737 GV

Standard Deviation: 4093 GV

Area: 143 px

Region 2

Mean value: 44052 GV

Standard Deviation: 6546 GV

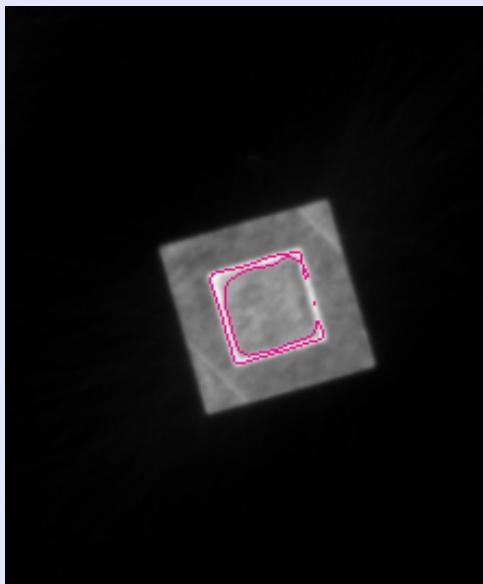
Area: 383 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 91

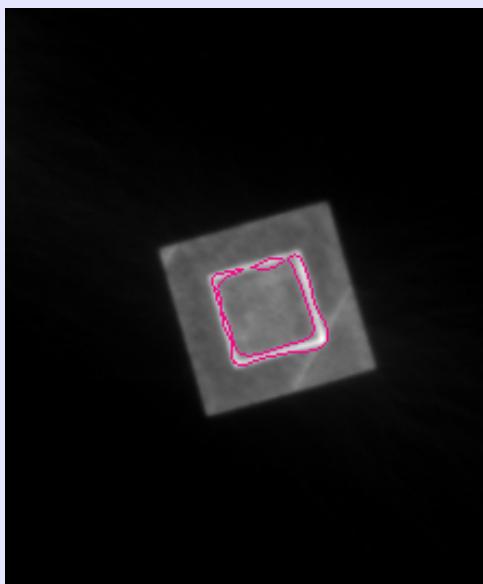
Total regions detected: 2

Region 1  
Mean value: 46297 GV  
Standard Deviation: 107 GV  
Area: 2 px

Region 2  
Mean value: 43606 GV  
Standard Deviation: 4729 GV  
Area: 513 px

Overall Analysis:

Region 1: Indicates unsafe Thermal condition-  
The melt pool is overly heated and stable, which is not ideal  
Region 2: Indicates Lack of fusion



Layer Number: 92

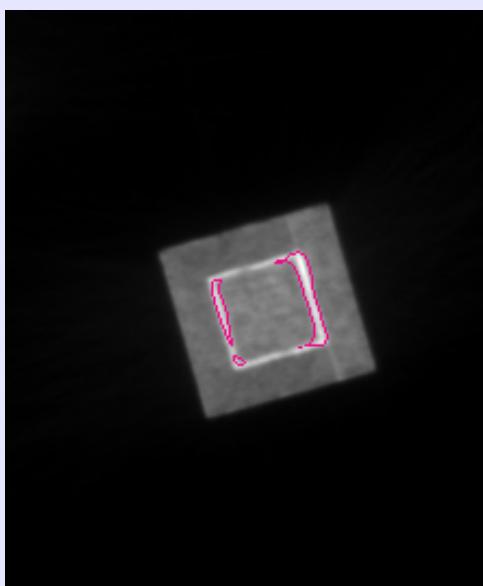
Total regions detected: 2

Region 1  
Mean value: 42575 GV  
Standard Deviation: 5259 GV  
Area: 57 px

Region 2  
Mean value: 44344 GV  
Standard Deviation: 6004 GV  
Area: 566 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: Indicates Lack of fusion



Layer Number: 93

Total regions detected: 4

Region 1  
Mean value: 42318 GV  
Standard Deviation: 4439 GV  
Area: 19 px

Region 2  
Mean value: 43768 GV  
Standard Deviation: 189 GV  
Area: 2 px

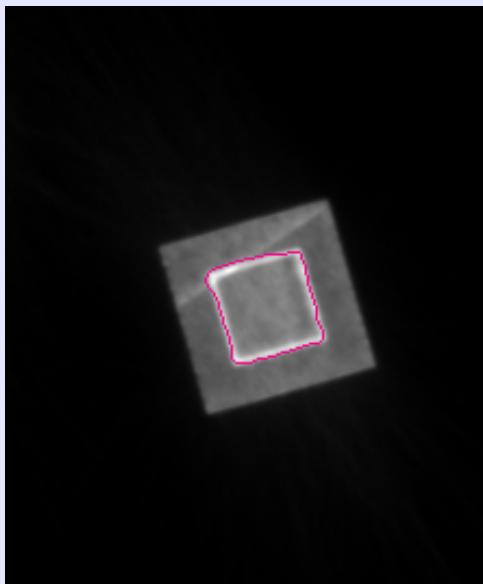
Region 3  
Mean value: 43601 GV  
Standard Deviation: 4446 GV  
Area: 122 px

Region 4  
Mean value: 44074 GV  
Standard Deviation: 6745 GV  
Area: 296 px

Overall Analysis:

Region 1: No considerable defect  
Region 2: Indicates unsafe Thermal condition-  
The melt pool is overly heated and stable, which is not ideal  
Region 3: Indicates Lack of fusion  
Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 94

Total regions detected: 1

Region 1

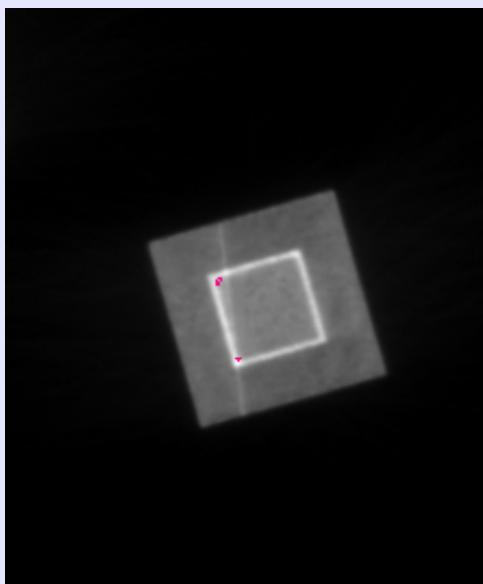
Mean value: 35286 GV

Standard Deviation: 7772 GV

Area: 2017 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 95

Total regions detected: 2

Region 1

Mean value: 42598 GV

Standard Deviation: 4509 GV

Area: 4 px

Region 2

Mean value: 36566 GV

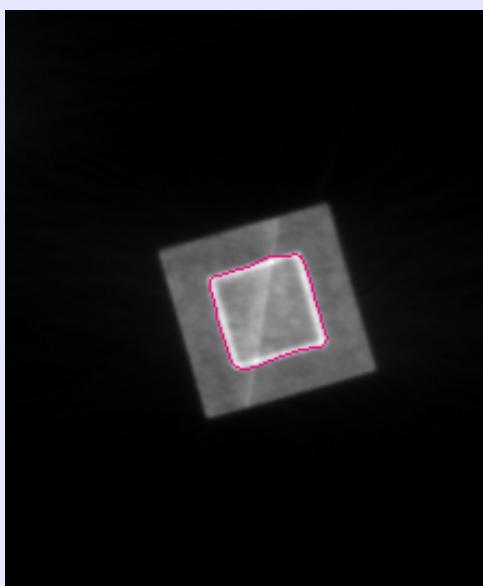
Standard Deviation: 1933 GV

Area: 9 px

Overall Analysis:

Region 1: No considerable defect

Region 2: No considerable defect



Layer Number: 96

Total regions detected: 1

Region 1

Mean value: 38530 GV

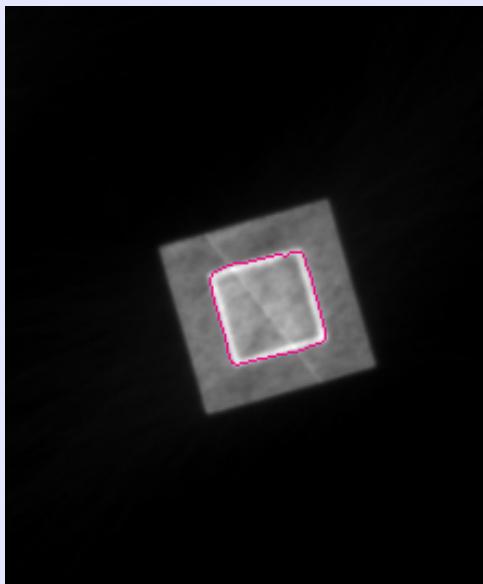
Standard Deviation: 6747 GV

Area: 2086 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 97

Total regions detected: 1

Region 1

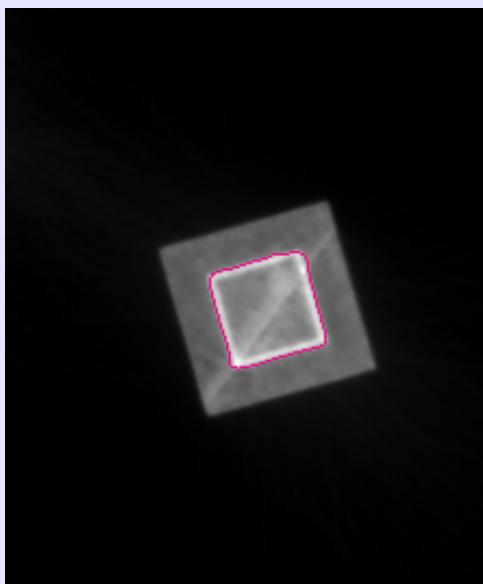
Mean value: 38656 GV

Standard Deviation: 6356 GV

Area: 2097 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 98

Total regions detected: 1

Region 1

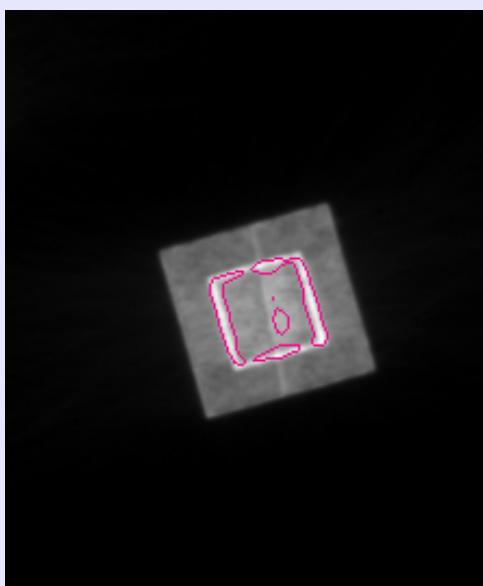
Mean value: 39377 GV

Standard Deviation: 7132 GV

Area: 2138 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 99

Total regions detected: 5

Region 1

Mean value: 41865 GV

Standard Deviation: 5584 GV

Area: 98 px

Region 2

Mean value: 38412 GV

Standard Deviation: 1224 GV

Area: 71 px

Region 3

Mean value: 38041 GV

Standard Deviation: 301 GV

Area: 2 px

Region 4

Mean value: 42592 GV

Standard Deviation: 5710 GV

Area: 291 px

Region 5

Mean value: 43105 GV

Standard Deviation: 6216 GV

Area: 350 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

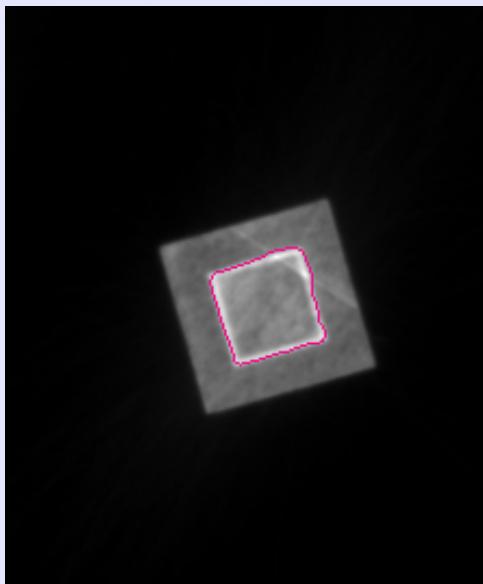
Region 3: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 4: Indicates Lack of fusion

Region 5: Indicates Lack of fusion

# Quality-Report



Layer Number: 100

Total regions detected: 1

Region 1

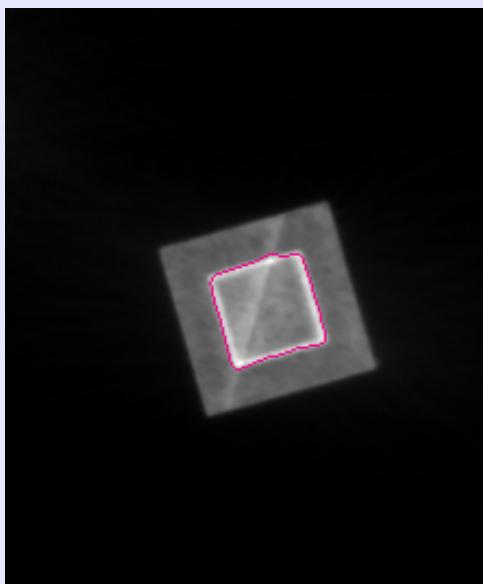
Mean value: 36266 GV

Standard Deviation: 7140 GV

Area: 2043 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 101

Total regions detected: 1

Region 1

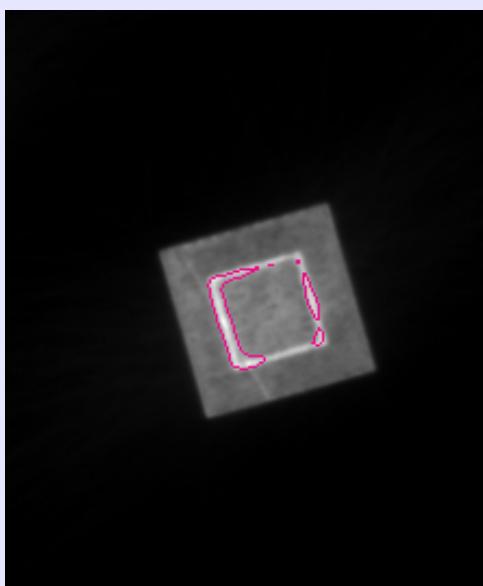
Mean value: 37980 GV

Standard Deviation: 7244 GV

Area: 2053 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 102

Total regions detected: 5

Region 1

Mean value: 44375 GV

Standard Deviation: 4888 GV

Area: 33 px

Region 2

Mean value: 44466 GV

Standard Deviation: 4387 GV

Area: 87 px

Region 3

Mean value: 43690 GV

Standard Deviation: 6261 GV

Area: 411 px

Region 4

Mean value: 42557 GV

Standard Deviation: 754 GV

Area: 3 px

Region 5

Mean value: 42568 GV

Standard Deviation: 2325 GV

Area: 4 px

Overall Analysis:

Region 1: Indicates Lack of fusion

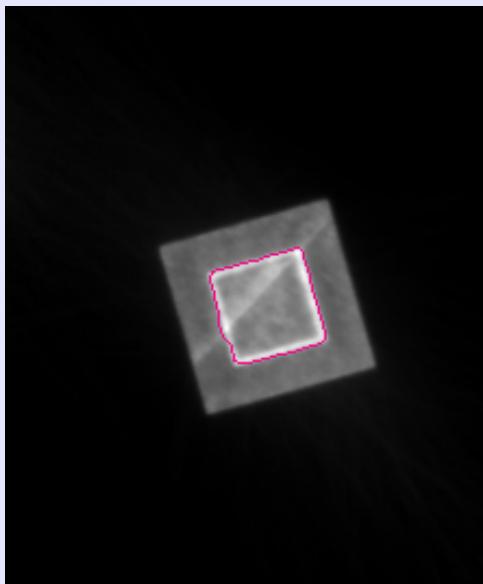
Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

Region 4: No considerable defect

Region 5: No considerable defect

# Quality-Report



Layer Number: 103

Total regions detected: 1

Region 1

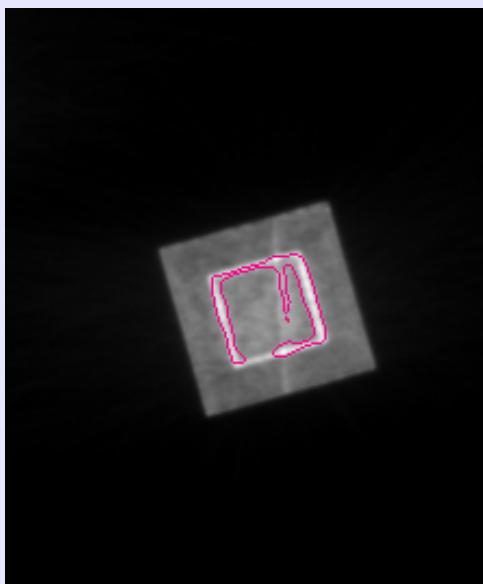
Mean value: 38040 GV

Standard Deviation: 7458 GV

Area: 2080 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 104

Total regions detected: 2

Region 1

Mean value: 38068 GV

Standard Deviation: 305 GV

Area: 4 px

Region 2

Mean value: 42480 GV

Standard Deviation: 5709 GV

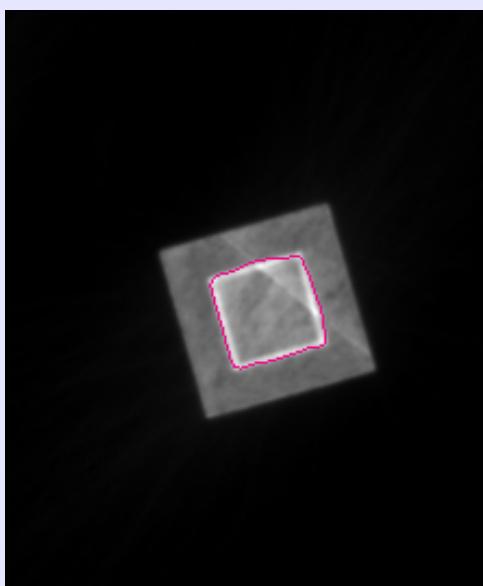
Area: 773 px

Overall Analysis:

Region 1: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 2: Indicates Lack of fusion



Layer Number: 105

Total regions detected: 1

Region 1

Mean value: 37236 GV

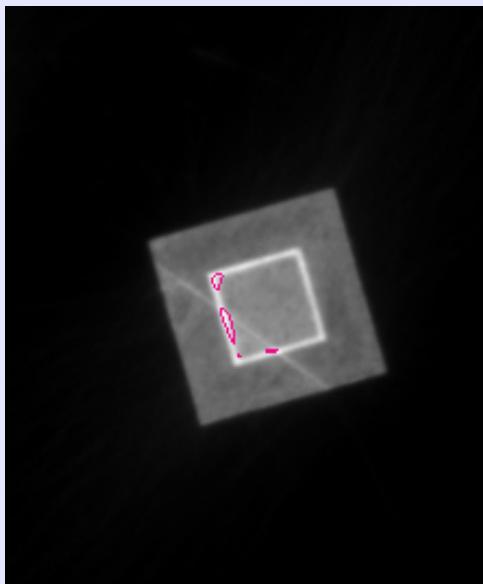
Standard Deviation: 7068 GV

Area: 2070 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 106

Total regions detected: 4

Region 1

Mean value: 37365 GV

Standard Deviation: 1723 GV

Area: 3 px

Region 2

Mean value: 44611 GV

Standard Deviation: 3745 GV

Area: 11 px

Region 3

Mean value: 43216 GV

Standard Deviation: 4130 GV

Area: 57 px

Region 4

Mean value: 43378 GV

Standard Deviation: 4470 GV

Area: 31 px

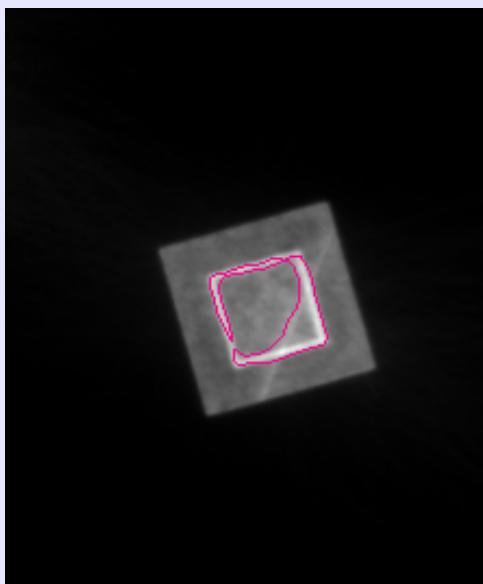
Overall Analysis:

Region 1: No considerable defect

Region 2: No considerable defect

Region 3: Indicates Lack of fusion

Region 4: Indicates Lack of fusion



Layer Number: 107

Total regions detected: 1

Region 1

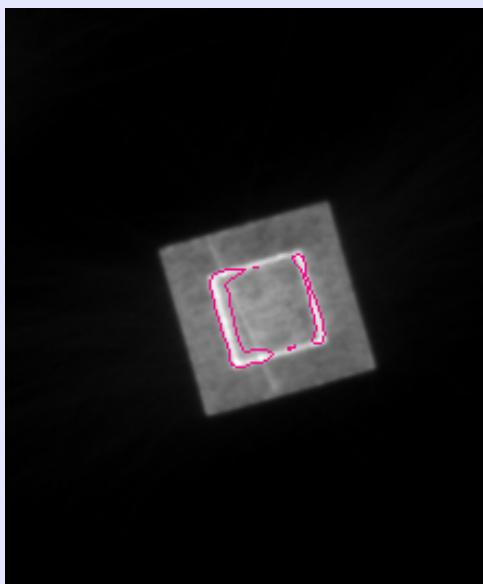
Mean value: 42926 GV

Standard Deviation: 6473 GV

Area: 936 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 108

Total regions detected: 4

Region 1

Mean value: 44911 GV

Standard Deviation: 2979 GV

Area: 7 px

Region 2

Mean value: 42993 GV

Standard Deviation: 5688 GV

Area: 456 px

Region 3

Mean value: 40323 GV

Standard Deviation: 1673 GV

Area: 3 px

Region 4

Mean value: 44343 GV

Standard Deviation: 4706 GV

Area: 169 px

Overall Analysis:

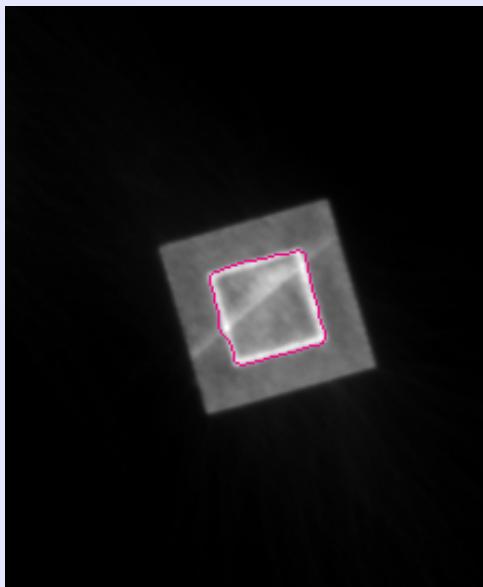
Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: No considerable defect

Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 109

Total regions detected: 1

Region 1

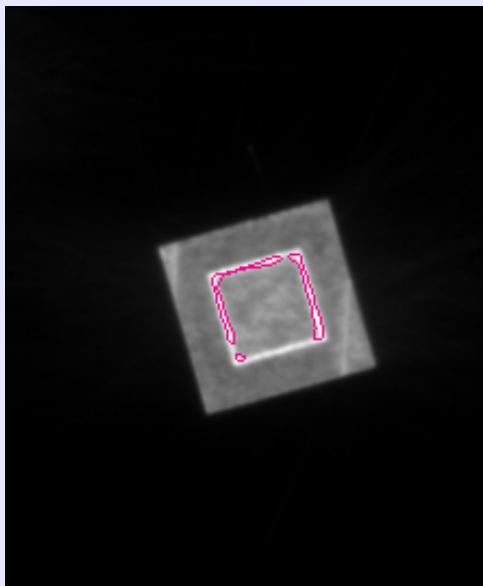
Mean value: 38214 GV

Standard Deviation: 7635 GV

Area: 2075 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 110

Total regions detected: 3

Region 1

Mean value: 41927 GV

Standard Deviation: 5309 GV

Area: 16 px

Region 2

Mean value: 43598 GV

Standard Deviation: 4030 GV

Area: 176 px

Region 3

Mean value: 43924 GV

Standard Deviation: 3965 GV

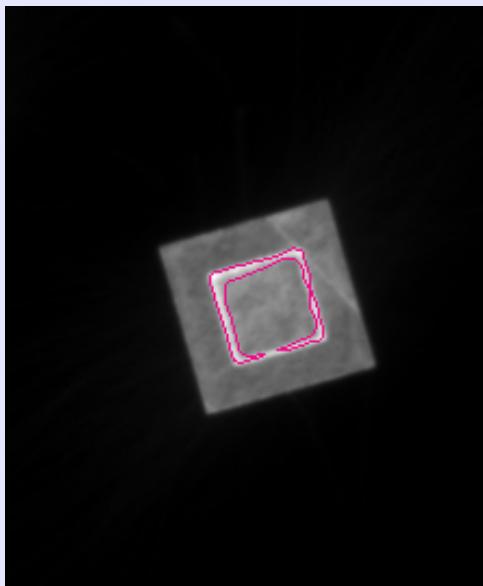
Area: 154 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 111

Total regions detected: 1

Region 1

Mean value: 43711 GV

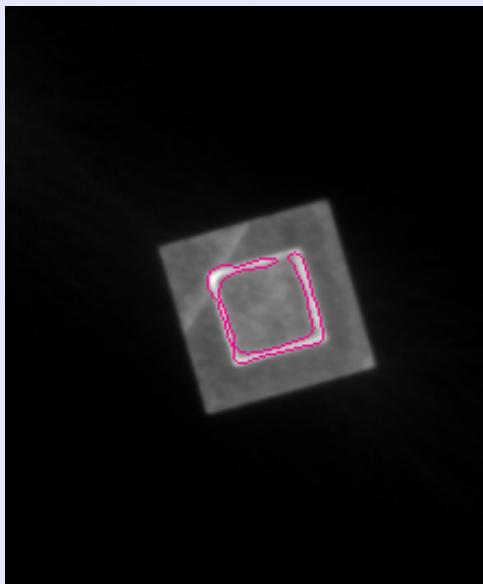
Standard Deviation: 4990 GV

Area: 646 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 112

Total regions detected: 1

Region 1

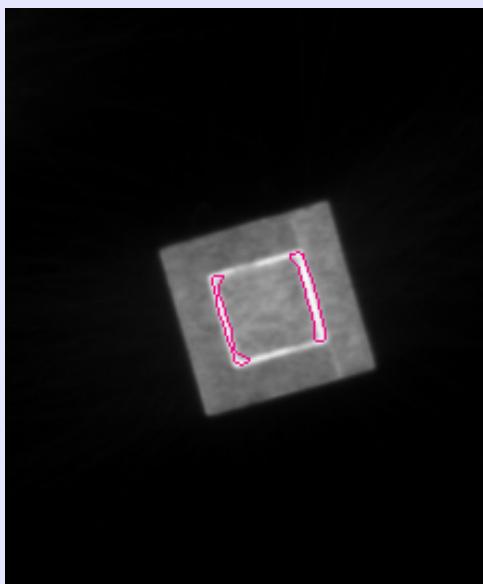
Mean value: 44126 GV

Standard Deviation: 5752 GV

Area: 647 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 113

Total regions detected: 2

Region 1

Mean value: 43943 GV

Standard Deviation: 4357 GV

Area: 164 px

Region 2

Mean value: 43780 GV

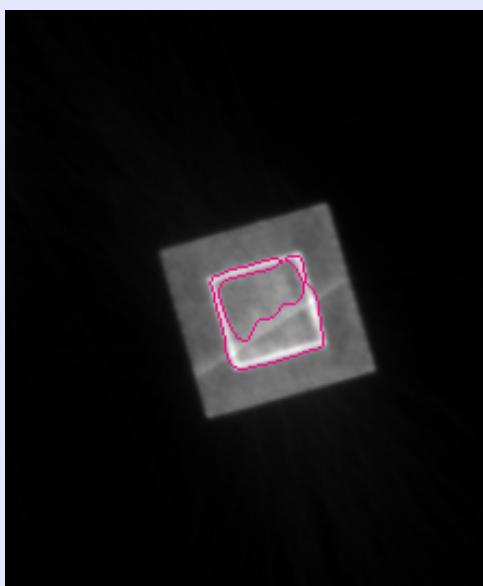
Standard Deviation: 5182 GV

Area: 234 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 114

Total regions detected: 1

Region 1

Mean value: 41690 GV

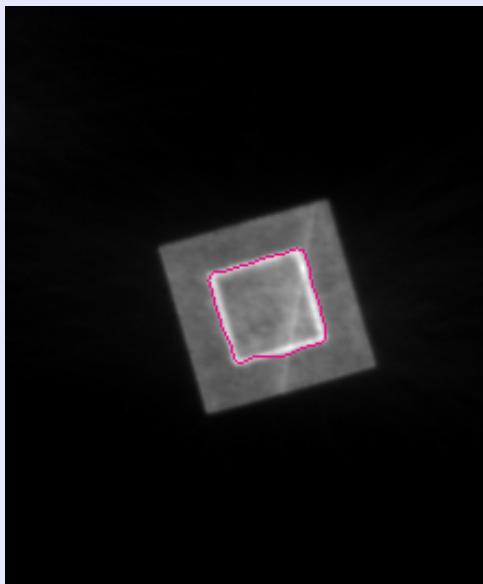
Standard Deviation: 6583 GV

Area: 1301 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 115

Total regions detected: 1

Region 1

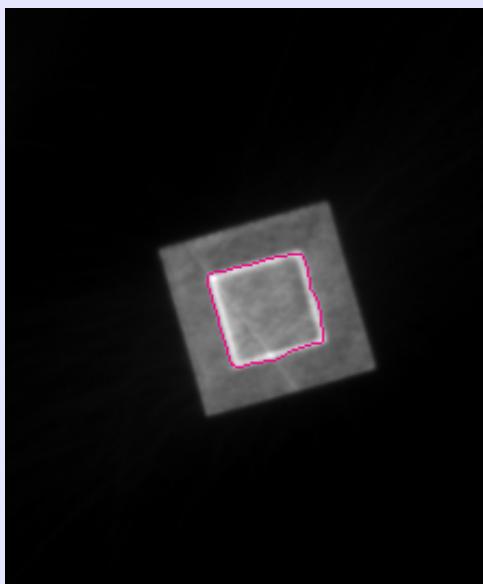
Mean value: 36586 GV

Standard Deviation: 7944 GV

Area: 2060 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 116

Total regions detected: 1

Region 1

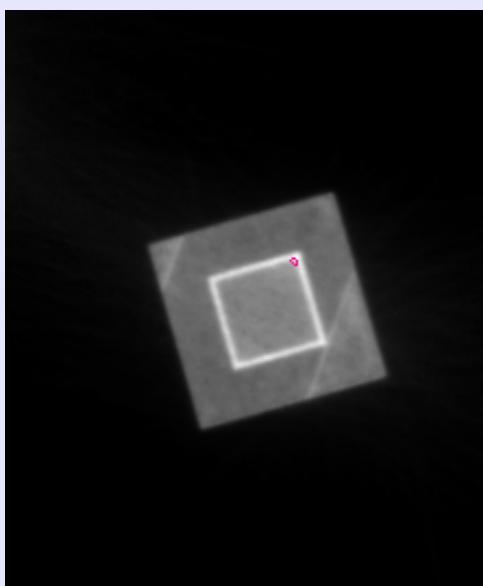
Mean value: 37337 GV

Standard Deviation: 7356 GV

Area: 2083 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 117

Total regions detected: 1

Region 1

Mean value: 40079 GV

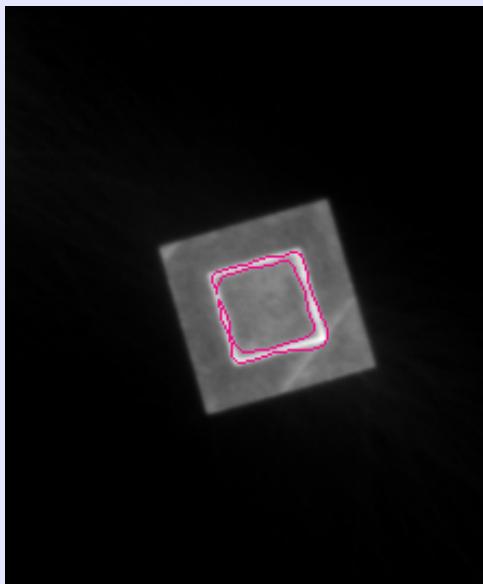
Standard Deviation: 3707 GV

Area: 11 px

Overall Analysis:

Region 1: No considerable defect

# Quality-Report



Layer Number: 118

Total regions detected: 1

Region 1

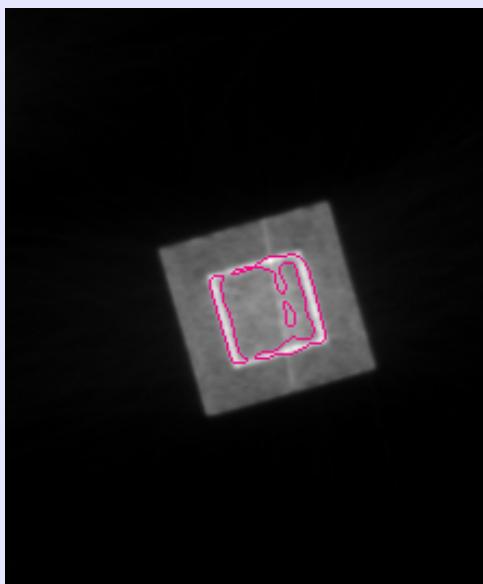
Mean value: 44148 GV

Standard Deviation: 5559 GV

Area: 670 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 119

Total regions detected: 3

Region 1

Mean value: 38656 GV

Standard Deviation: 897 GV

Area: 50 px

Region 2

Mean value: 43208 GV

Standard Deviation: 5481 GV

Area: 246 px

Region 3

Mean value: 42568 GV

Standard Deviation: 5877 GV

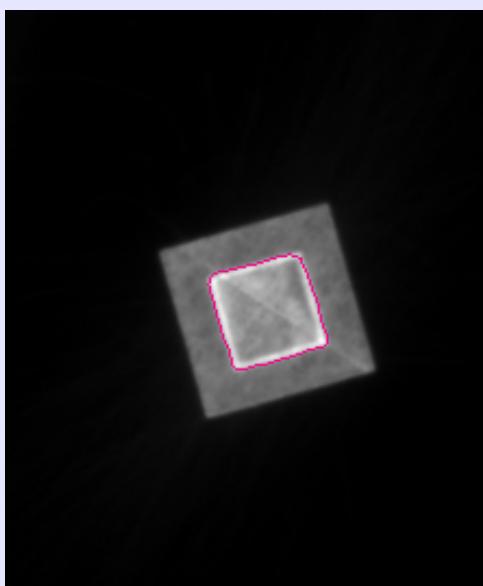
Area: 548 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 120

Total regions detected: 1

Region 1

Mean value: 39615 GV

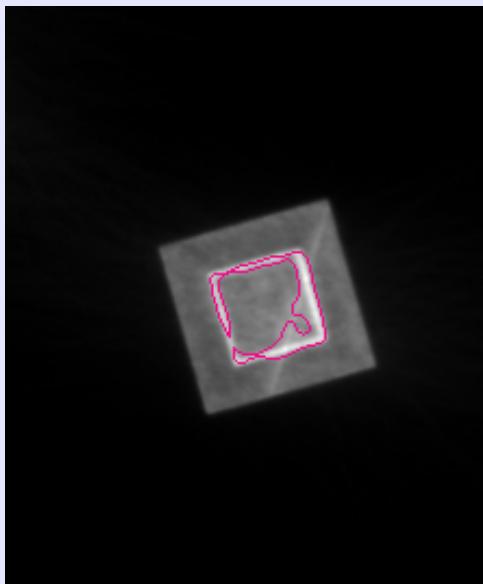
Standard Deviation: 6544 GV

Area: 2123 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 121

Total regions detected: 1

Region 1

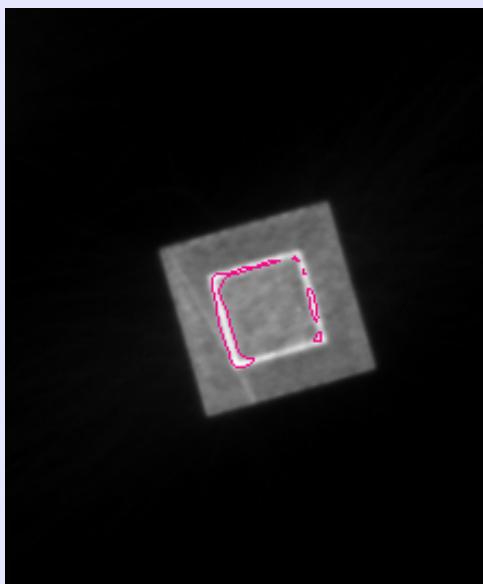
Mean value: 43749 GV

Standard Deviation: 6385 GV

Area: 879 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 122

Total regions detected: 5

Region 1

Mean value: 43945 GV

Standard Deviation: 5018 GV

Area: 16 px

Region 2

Mean value: 45281 GV

Standard Deviation: 3162 GV

Area: 48 px

Region 3

Mean value: 47160 GV

Standard Deviation: 116 GV

Area: 4 px

Region 4

Mean value: 43681 GV

Standard Deviation: 5249 GV

Area: 308 px

Region 5

Mean value: 38995 GV

Standard Deviation: 2495 GV

Area: 6 px

Overall Analysis:

Region 1: No considerable defect

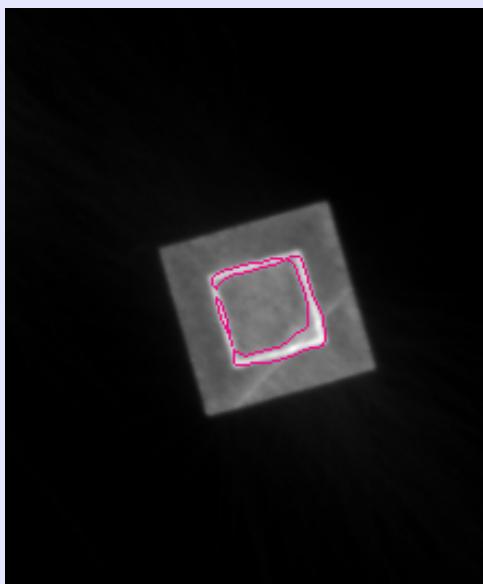
Region 2: Indicates Lack of fusion

Region 3: Indicates unsafe Thermal condition-

The melt pool is overly heated and stable, which is not ideal

Region 4: Indicates Lack of fusion

Region 5: No considerable defect



Layer Number: 123

Total regions detected: 2

Region 1

Mean value: 45342 GV

Standard Deviation: 2957 GV

Area: 52 px

Region 2

Mean value: 44230 GV

Standard Deviation: 6270 GV

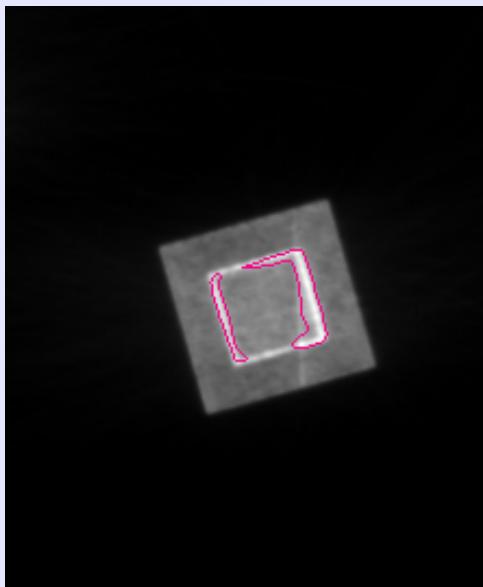
Area: 671 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 124

Total regions detected: 2

Region 1

Mean value: 43272 GV

Standard Deviation: 4833 GV

Area: 188 px

Region 2

Mean value: 44292 GV

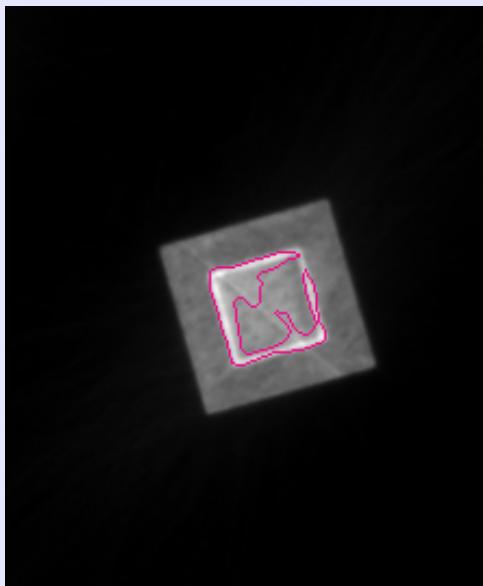
Standard Deviation: 6600 GV

Area: 500 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 125

Total regions detected: 1

Region 1

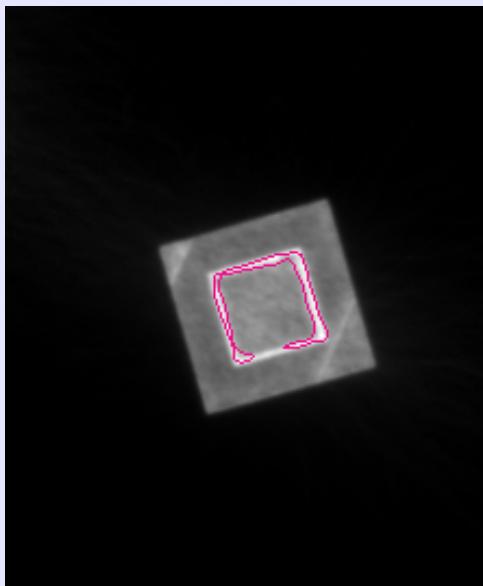
Mean value: 42546 GV

Standard Deviation: 5855 GV

Area: 1148 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 126

Total regions detected: 1

Region 1

Mean value: 43744 GV

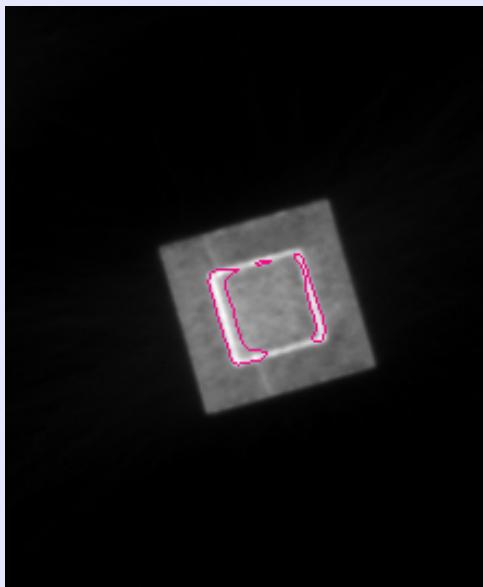
Standard Deviation: 4777 GV

Area: 543 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 127

Total regions detected: 3

Region 1

Mean value: 43606 GV

Standard Deviation: 6247 GV

Area: 434 px

Region 2

Mean value: 44068 GV

Standard Deviation: 4315 GV

Area: 15 px

Region 3

Mean value: 44133 GV

Standard Deviation: 4965 GV

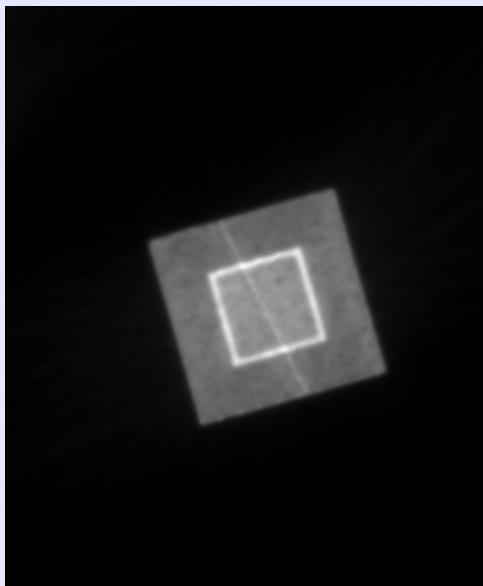
Area: 175 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: No considerable defect

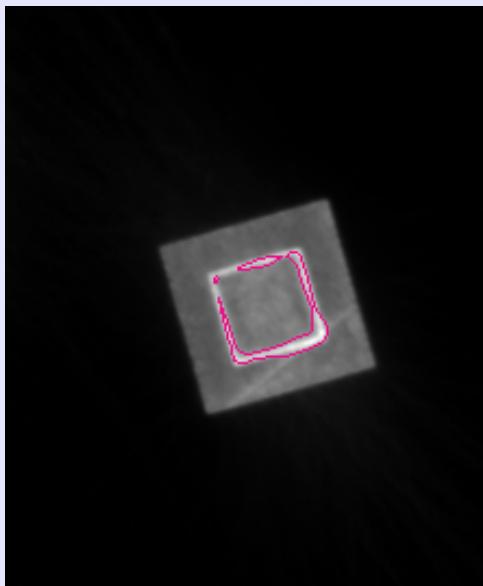
Region 3: Indicates Lack of fusion



Layer Number: 128

Total regions detected: 0

Overall Analysis:



Layer Number: 129

Total regions detected: 3

Region 1

Mean value: 39854 GV

Standard Deviation: 3763 GV

Area: 8 px

Region 2

Mean value: 43705 GV

Standard Deviation: 4867 GV

Area: 74 px

Region 3

Mean value: 44586 GV

Standard Deviation: 6227 GV

Area: 494 px

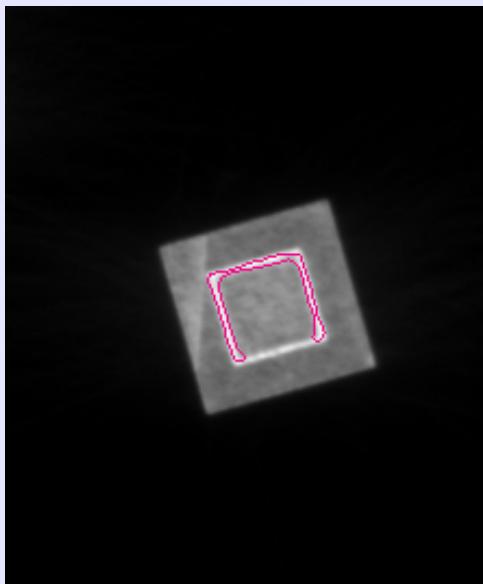
Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 130

Total regions detected: 1

Region 1

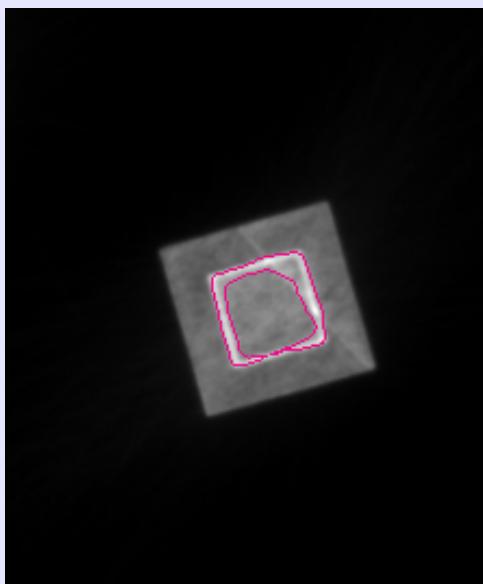
Mean value: 43712 GV

Standard Deviation: 4556 GV

Area: 462 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 131

Total regions detected: 1

Region 1

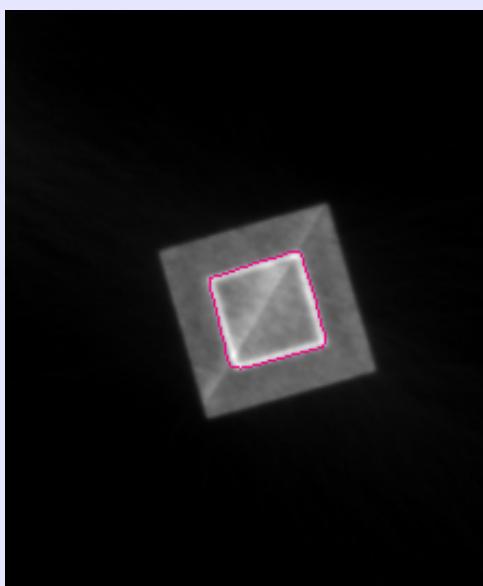
Mean value: 43287 GV

Standard Deviation: 5888 GV

Area: 912 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 132

Total regions detected: 1

Region 1

Mean value: 38979 GV

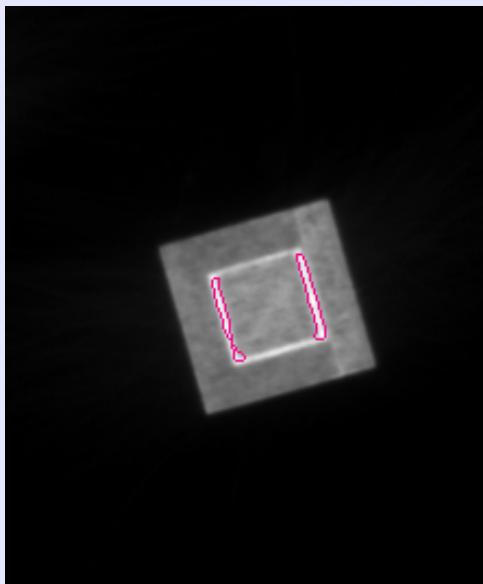
Standard Deviation: 7284 GV

Area: 2114 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 133

Total regions detected: 2

Region 1

Mean value: 43865 GV

Standard Deviation: 4399 GV

Area: 145 px

Region 2

Mean value: 43291 GV

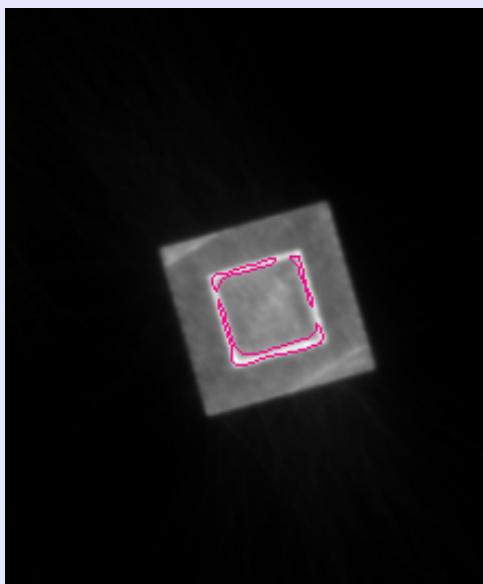
Standard Deviation: 4451 GV

Area: 186 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 134

Total regions detected: 3

Region 1

Mean value: 44121 GV

Standard Deviation: 5240 GV

Area: 290 px

Region 2

Mean value: 43621 GV

Standard Deviation: 4383 GV

Area: 111 px

Region 3

Mean value: 42924 GV

Standard Deviation: 4080 GV

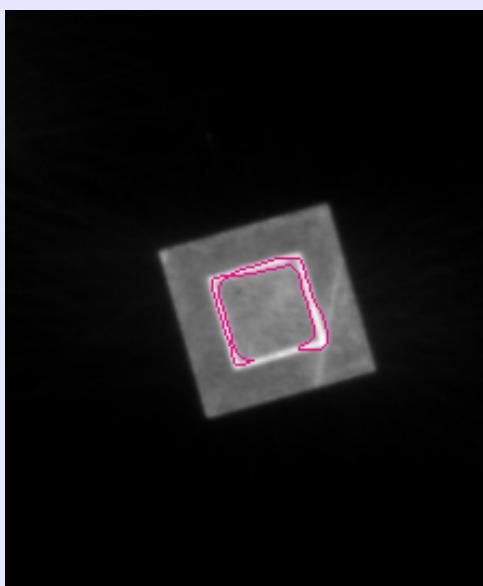
Area: 61 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 135

Total regions detected: 1

Region 1

Mean value: 43629 GV

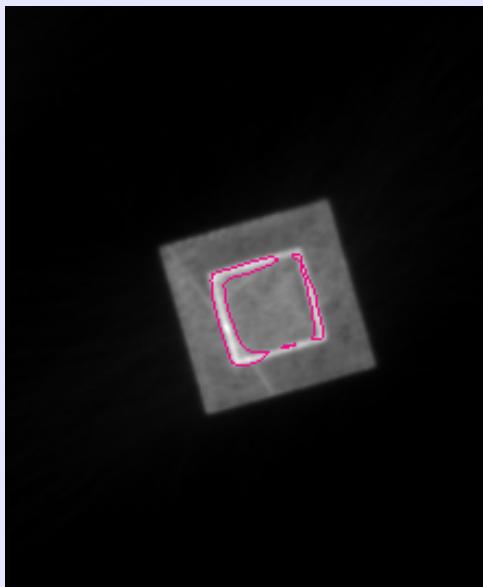
Standard Deviation: 5164 GV

Area: 543 px

Overall Analysis:

Region 1: Indicates Lack of fusion

# Quality-Report



Layer Number: 136

Total regions detected: 3

Region 1

Mean value: 42978 GV

Standard Deviation: 3182 GV

Area: 11 px

Region 2

Mean value: 43832 GV

Standard Deviation: 6530 GV

Area: 498 px

Region 3

Mean value: 43939 GV

Standard Deviation: 4659 GV

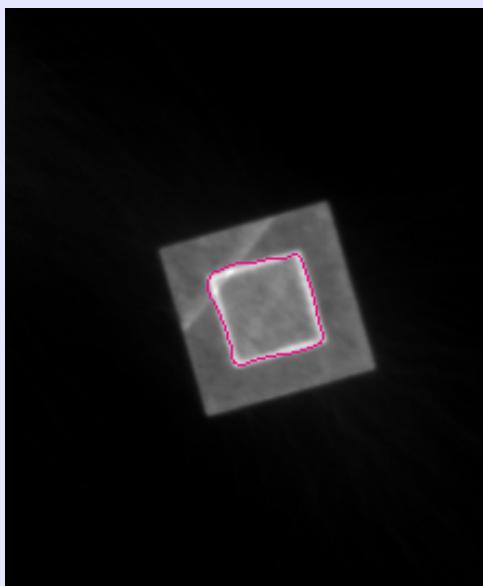
Area: 152 px

Overall Analysis:

Region 1: No considerable defect

Region 2: Indicates Lack of fusion

Region 3: Indicates Lack of fusion



Layer Number: 137

Total regions detected: 1

Region 1

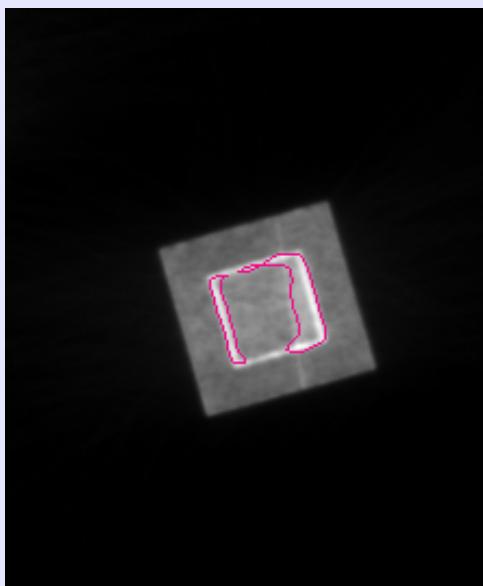
Mean value: 35119 GV

Standard Deviation: 7755 GV

Area: 1993 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 138

Total regions detected: 2

Region 1

Mean value: 43206 GV

Standard Deviation: 5519 GV

Area: 233 px

Region 2

Mean value: 42685 GV

Standard Deviation: 5761 GV

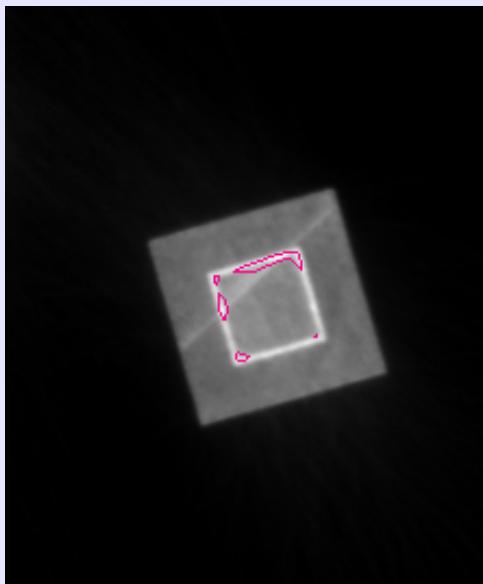
Area: 604 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion

# Quality-Report



Layer Number: 139

Total regions detected: 5

Region 1

Mean value: 41919 GV  
Standard Deviation: 3814 GV  
Area: 23 px

Region 2

Mean value: 38189 GV  
Standard Deviation: 1822 GV  
Area: 3 px

Region 3

Mean value: 42519 GV  
Standard Deviation: 4456 GV  
Area: 44 px

Region 4

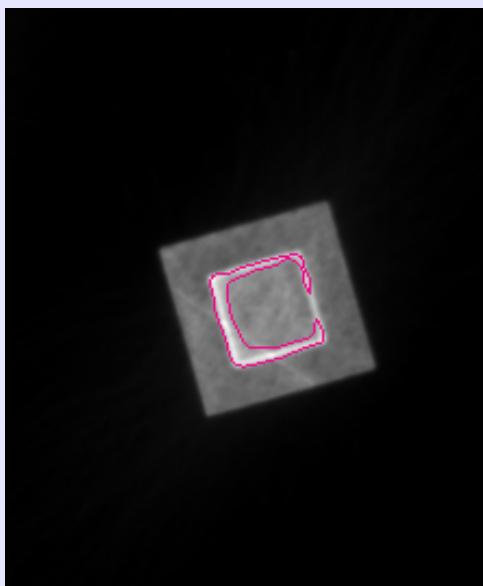
Mean value: 39934 GV  
Standard Deviation: 3893 GV  
Area: 12 px

Region 5

Mean value: 42187 GV  
Standard Deviation: 4951 GV  
Area: 138 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: No considerable defect  
Region 3: Indicates Lack of fusion  
Region 4: No considerable defect  
Region 5: Indicates Lack of fusion



Layer Number: 140

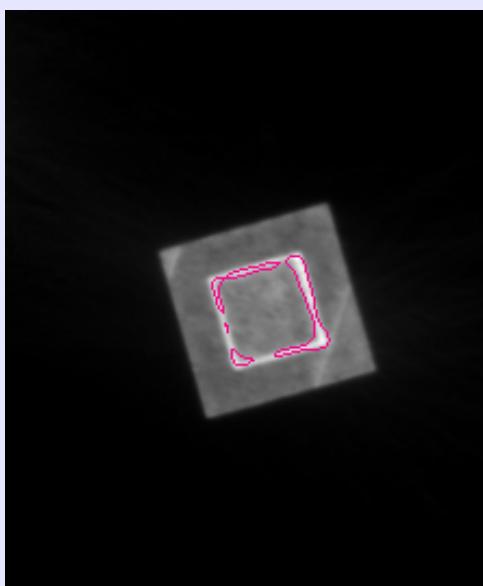
Total regions detected: 1

Region 1

Mean value: 43649 GV  
Standard Deviation: 5886 GV  
Area: 783 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 141

Total regions detected: 4

Region 1

Mean value: 43539 GV  
Standard Deviation: 4890 GV  
Area: 49 px

Region 2

Mean value: 45182 GV  
Standard Deviation: 1328 GV  
Area: 6 px

Region 3

Mean value: 43137 GV  
Standard Deviation: 4174 GV  
Area: 138 px

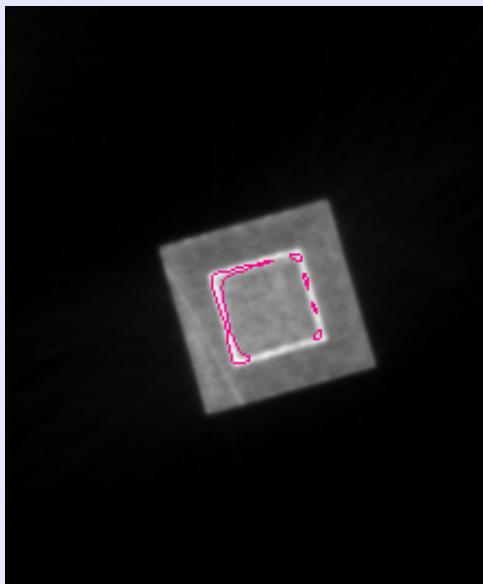
Region 4

Mean value: 44521 GV  
Standard Deviation: 5559 GV  
Area: 313 px

Overall Analysis:

Region 1: Indicates Lack of fusion  
Region 2: No considerable defect  
Region 3: Indicates Lack of fusion  
Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 142

Total regions detected: 5

Region 1

Mean value: 42023 GV  
Standard Deviation: 4390 GV  
Area: 16 px

Region 2

Mean value: 46716 GV  
Standard Deviation: 1333 GV  
Area: 10 px

Region 3

Mean value: 45791 GV  
Standard Deviation: 1999 GV  
Area: 15 px

Region 4

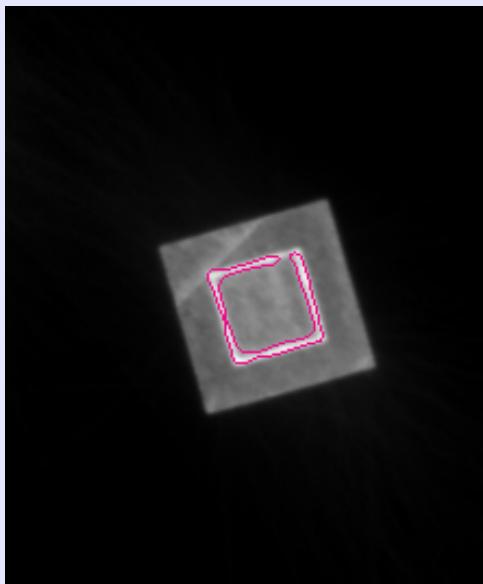
Mean value: 43505 GV  
Standard Deviation: 4649 GV  
Area: 253 px

Region 5

Mean value: 42085 GV  
Standard Deviation: 4558 GV  
Area: 19 px

Overall Analysis:

Region 1: No considerable defect  
Region 2: No considerable defect  
Region 3: No considerable defect  
Region 4: Indicates Lack of fusion  
Region 5: No considerable defect



Layer Number: 143

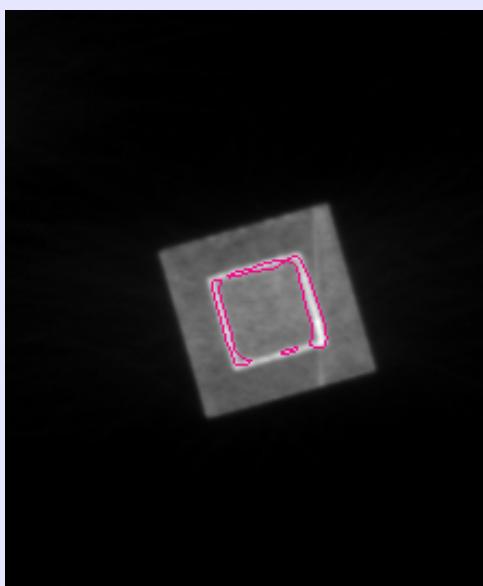
Total regions detected: 1

Region 1

Mean value: 43878 GV  
Standard Deviation: 4849 GV  
Area: 631 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 144

Total regions detected: 3

Region 1

Mean value: 46721 GV  
Standard Deviation: 3276 GV  
Area: 19 px

Region 2

Mean value: 43800 GV  
Standard Deviation: 4429 GV  
Area: 171 px

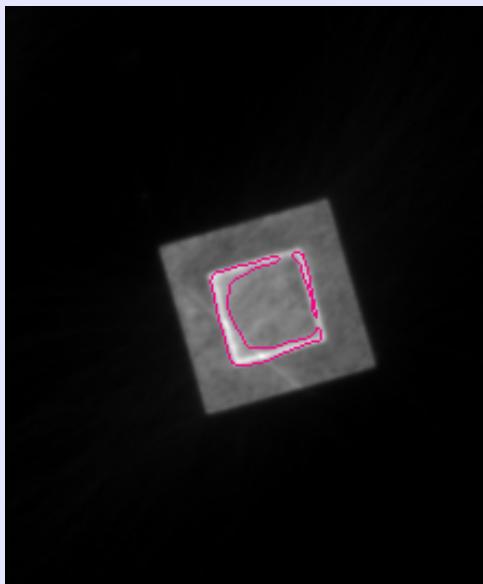
Region 3

Mean value: 43665 GV  
Standard Deviation: 6489 GV  
Area: 357 px

Overall Analysis:

Region 1: No considerable defect  
Region 2: Indicates Lack of fusion  
Region 3: Indicates Lack of fusion

# Quality-Report



Layer Number: 145

Total regions detected: 2

Region 1

Mean value: 43706 GV

Standard Deviation: 6181 GV

Area: 668 px

Region 2

Mean value: 44578 GV

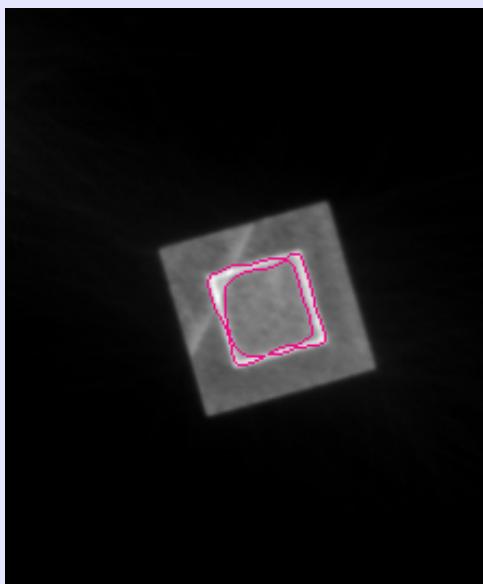
Standard Deviation: 3463 GV

Area: 93 px

Overall Analysis:

Region 1: Indicates Lack of fusion

Region 2: Indicates Lack of fusion



Layer Number: 146

Total regions detected: 1

Region 1

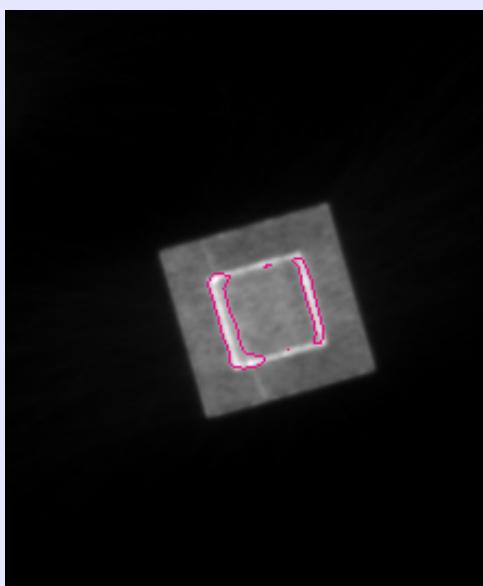
Mean value: 44123 GV

Standard Deviation: 5622 GV

Area: 714 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 147

Total regions detected: 4

Region 1

Mean value: 42031 GV

Standard Deviation: 0 GV

Area: 1 px

Region 2

Mean value: 43719 GV

Standard Deviation: 5901 GV

Area: 399 px

Region 3

Mean value: 42316 GV

Standard Deviation: 2076 GV

Area: 5 px

Region 4

Mean value: 43914 GV

Standard Deviation: 5528 GV

Area: 197 px

Overall Analysis:

Region 1: Indicates unsafe Thermal condition-

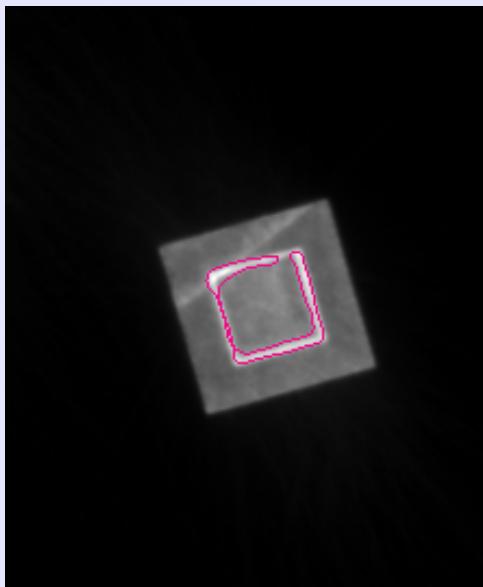
The melt pool is overly heated and stable, which is not ideal

Region 2: Indicates Lack of fusion

Region 3: No considerable defect

Region 4: Indicates Lack of fusion

# Quality-Report



Layer Number: 148

Total regions detected: 1

Region 1

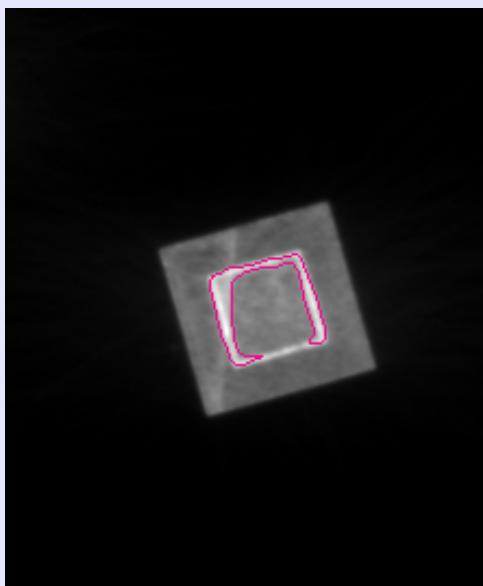
Mean value: 44097 GV

Standard Deviation: 5933 GV

Area: 679 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 149

Total regions detected: 1

Region 1

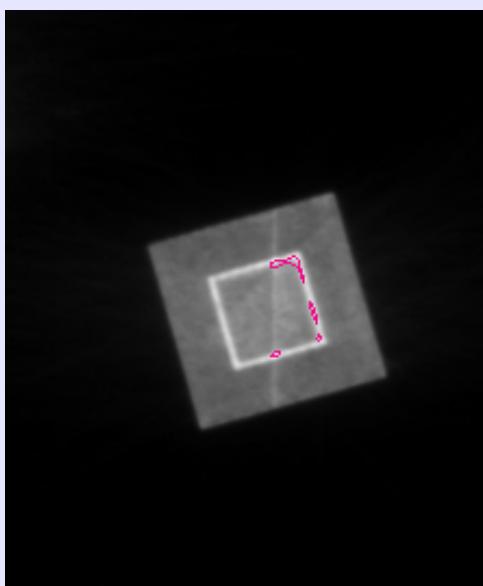
Mean value: 44190 GV

Standard Deviation: 6097 GV

Area: 747 px

Overall Analysis:

Region 1: Indicates Lack of fusion



Layer Number: 150

Total regions detected: 4

Region 1

Mean value: 46530 GV

Standard Deviation: 4608 GV

Area: 11 px

Region 2

Mean value: 41897 GV

Standard Deviation: 3283 GV

Area: 7 px

Region 3

Mean value: 44503 GV

Standard Deviation: 2019 GV

Area: 21 px

Region 4

Mean value: 41517 GV

Standard Deviation: 4775 GV

Area: 60 px

Overall Analysis:

Region 1: No considerable defect

Region 2: No considerable defect

Region 3: No considerable defect

Region 4: Indicates Lack of fusion