

Table S1. Anomaly Detection Performance (AUROC) on MVTec AD [5]. PaDiM\* denotes a result from [14] with a backbone specifically selected for the task of image-level anomaly detection, which we could not reproduce.

↓ Method \ Dataset →	Avg	Bottle	Cable	Capsule	Carpet	Grid	Hazeln.	Leather	Metal Nut	Pill	Screw	Tile	Toothb.	Trans.	Wood	Zipper
GeoTrans [20]	67.2	74.4	78.3	67.0	43.7	61.9	35.9	84.1	81.3	63.0	50.0	41.7	97.2	86.9	61.1	82.0
GANomaly [2]	76.2	89.2	75.7	73.2	69.9	70.8	78.5	84.2	70.0	74.3	74.6	79.4	65.3	79.2	83.4	74.5
DSEBM [58]	70.9	81.8	68.5	59.4	41.3	71.7	76.2	41.6	67.9	80.6	99.9	69.0	78.1	74.1	95.2	58.4
OCSVM [3]	71.9	99.0	80.3	54.4	62.7	41.0	91.1	88.0	61.1	72.9	74.7	87.6	61.9	56.7	95.3	51.7
ITAE [25]	83.9	94.1	83.2	68.1	70.6	88.3	85.5	86.2	66.7	78.6	<b>100</b>	73.5	<b>100</b>	84.3	92.3	87.6
SPADE [10]	85.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAVGA-R <sub>w</sub> [52]	90	96	92	93	88	84	97	89	82	86	81	97	89	99	79	96
PatchSVDD [56]	92.1	98.6	90.3	76.7	92.9	94.6	92.0	90.9	94.0	86.1	81.3	97.8	<b>100</b>	91.5	96.5	97.9
DifferNet [42]	94.9	99.0	95.9	86.9	92.9	84.0	99.3	97.1	96.1	88.8	96.3	99.4	98.6	91.1	<b>99.8</b>	95.1
PaDiM [14]	95.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MahalanobisAD [40]	95.8	<b>100</b>	95.0	95.1	<b>100</b>	89.7	99.1	<b>100</b>	94.7	88.7	85.2	<b>99.8</b>	96.9	95.5	99.6	97.9
PaDiM* [14]	97.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PatchCore-25	<b>99.1</b>	<b>100</b>	<b>99.5</b>	<b>98.1</b>	<b>98.7</b>	98.2	<b>100</b>	<b>100</b>	<b>100</b>	96.6	98.1	98.7	<b>100</b>	<b>100</b>	99.2	99.4
PatchCore-10	99.0	100	99.4	97.8	98.7	97.9	<b>100</b>	<b>100</b>	<b>100</b>	96.0	97.0	98.9	99.7	<b>100</b>	99.0	<b>99.5</b>
PatchCore-1	99.0	100	99.3	98.0	98.0	<b>98.6</b>	<b>100</b>	<b>100</b>	99.7	<b>97.0</b>	96.4	99.4	<b>100</b>	99.9	99.2	99.2

Table S2. Anomaly Segmentation Performance on MVTec [5], as measured in pixelwise AUROC.

↓ Method \ Dataset →	Avg	Bottle	Cable	Capsule	Carpet	Grid	Hazeln.	Leather	Metal Nut	Pill	Screw	Tile	Toothb.	Trans.	Wood	Zipper
vis. expl. VAE [31]	86	87	90	74	78	73	98	95	94	83	97	80	94	93	77	78
AE <sub>SSIM</sub> [5]	87	93	82	94	87	94	97	78	89	91	96	59	92	90	73	88
$\gamma$ -VAE + grad. [15]	88.8	93.1	88.0	91.7	72.7	97.9	98.8	89.7	91.4	93.5	97.2	58.1	98.3	93.1	80.9	87.1
CAVGA-R <sub>w</sub> [52]	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PatchSVDD [56]	95.7	98.1	96.8	95.8	92.6	96.2	97.5	97.4	98.0	95.1	95.7	91.4	98.1	97.0	90.8	95.1
SPADE [10]	96.0	98.4	97.2	<b>99.0</b>	97.5	93.7	<b>99.1</b>	97.6	98.1	96.5	98.9	87.4	97.9	94.1	88.5	96.5
PaDiM [14]	97.5	98.3	96.7	98.5	<b>99.1</b>	97.3	98.2	99.2	97.2	95.7	98.5	94.1	<b>98.8</b>	<b>98.5</b>	94.9	98.5
PatchCore-25	<b>98.1</b>	<b>98.6</b>	98.4	98.8	99.0	<b>98.7</b>	98.7	<b>99.3</b>	<b>98.4</b>	97.4	<b>99.4</b>	95.6	98.7	96.3	95.0	98.8
PatchCore-10	<b>98.1</b>	<b>98.6</b>	<b>98.5</b>	98.9	<b>99.1</b>	<b>98.7</b>	98.7	<b>99.3</b>	<b>98.4</b>	<b>97.6</b>	<b>99.4</b>	95.9	98.7	96.4	<b>95.1</b>	<b>98.9</b>
PatchCore-1	98.0	98.5	98.2	98.8	98.9	98.6	98.6	<b>99.3</b>	<b>98.4</b>	97.1	99.2	<b>96.1</b>	98.5	94.9	<b>95.1</b>	98.8

Table S3. Anomaly Segmentation Performance on MVTec [5], as measured in PRO [%] [5, 10].

↓ Method \ Dataset →	Avg	Bottle	Cable	Capsule	Carpet	Grid	Hazeln.	Leather	Metal Nut	Pill	Screw	Tile	Toothb.	Trans.	Wood	Zipper
AE <sub>SSIM</sub> [5]	69.4	83.4	47.8	86.0	64.7	84.9	91.6	56.1	60.3	83.0	88.7	17.5	78.4	72.5	60.5	66.5
Student [6]	85.7	91.8	86.5	91.6	69.5	81.9	93.7	81.9	89.5	93.5	92.8	<b>91.2</b>	86.3	70.1	72.5	93.3
SPADE [10]	91.7	95.5	90.9	93.7	94.7	86.7	<b>95.4</b>	97.2	<b>94.4</b>	<b>94.6</b>	96.0	75.6	<b>93.5</b>	<b>87.4</b>	87.4	92.6
PaDiM [14]	92.1	94.8	88.8	93.5	96.2	94.6	92.6	97.8	85.6	92.7	94.4	86.0	93.1	84.5	<b>91.1</b>	95.9
PatchCore-25	93.4	<b>96.2</b>	92.5	<b>95.5</b>	<b>96.6</b>	96.0	93.8	<b>98.9</b>	91.4	93.2	<b>97.9</b>	87.3	91.5	83.7	89.4	<b>97.1</b>
PatchCore-10	<b>93.5</b>	96.1	<b>92.6</b>	<b>95.5</b>	<b>96.6</b>	95.9	93.9	<b>98.9</b>	91.3	94.1	<b>97.9</b>	87.4	91.4	83.5	89.6	<b>97.1</b>
PatchCore-1	93.1	95.9	91.6	<b>95.5</b>	96.5	<b>96.1</b>	93.8	<b>98.9</b>	91.2	92.9	97.1	88.3	90.2	81.2	89.5	97.0

Table S4. Anomaly Detection and Localization Performance (AUROC) on MVTec AD [5] with PatchCore-1 using larger images (280 × 280) and a WideResNet101 backbone.

↓ Metric \ Dataset →	Avg	Bottle	Cable	Capsule	Carpet	Grid	Hazeln.	Leather	Metal Nut	Pill	Screw	Tile	Toothb.	Trans.	Wood	Zipper
PatchCore-1, Hierarchies (2, 3), Imagesize 280																
AUROC	99.4	100	99.6	98.2	98.4	99.8	100	100	100	97.2	98.9	98.9	100	100	99.5	99.9
pwAUROC	98.2	98.6	98.4	99.1	98.7	98.7	98.8	99.3	98.8	97.8	99.3	96.1	98.8	96.4	95.1	98.9
PRO	94.4	96.6	93.8	96.0	97.4	96.8	91.2	99.1	94.8	94.0	97.5	89.5	95.5	84.8	91.7	97.8
PatchCore-1, Hierarchies (1, 2, 3), Imagesize 280																
AUROC	99.2	100	99.7	98.1	98.2	98.3	100	100	100	97.1	99.0	98.9	98.9	99.7	99.9	99.7
pwAUROC	98.4	98.6	98.7	99.1	98.7	98.8	98.8	99.3	99.0	98.6	99.5	96.3	98.9	97.1	95.2	99.0
PRO	95.0	96.6	94.6	96.3	97.5	97.0	91.5	99.1	95.4	96.0	98.1	90.0	95.8	85.9	92.0	98.0