

図S3. PatchCore、その変種、および比較対象手法SPADE PaDiM [14]の精度-再現率曲線（左）とROC曲線（右）。線の色は異なるMVtecクラスに対応しています。 [10]

表S5. MVtec [5]における低ショット異常検出性能（AUROCで測定）。

↓ Method \ Shots →	1	2	5	10	16	20	50
Retained %	0.4	0.8	2.1	4.1	6.6	8.3	21
IMAGE-LEVEL AUROC							
SPADE	71.6 ± 0.7	73.4 ± 1.3	75.2 ± 1.5	77.5 ± 1.1	78.9 ± 0.9	79.6 ± 0.8	81.1 ± 0.4
PaDiM	76.1 ± 0.4	78.9 ± 0.6	81.0 ± 0.2	83.2 ± 0.7	85.5 ± 0.6	86.5 ± 0.3	90.1 ± 0.3
DifferNet	-	-	-	-	87.3	-	-
PatchCore-10	83.4 ± 0.6	86.4 ± 0.9	90.8 ± 0.8	93.6 ± 0.6	95.4 ± 0.7	95.8 ± 0.6	97.5 ± 0.3
PatchCore-25	84.1 ± 0.7	87.2 ± 1.0	91.0 ± 0.9	93.8 ± 0.5	95.5 ± 0.6	95.9 ± 0.6	97.7 ± 0.4
PIXEL-LEVEL AUROC							
SPADE	91.9 ± 0.3	93.1 ± 0.2	94.5 ± 0.1	95.4 ± 0.1	95.7 ± 0.2	95.7 ± 0.2	96.2 ± 0.0
PaDiM	88.2 ± 0.3	90.5 ± 0.2	92.5 ± 0.1	93.9 ± 0.1	94.8 ± 0.1	95.1 ± 0.1	96.3 ± 0.0
PatchCore-10	92.0 ± 0.2	93.1 ± 0.2	94.8 ± 0.1	96.2 ± 0.1	96.8 ± 0.3	96.9 ± 0.3	97.8 ± 0.0
PatchCore-25	92.4 ± 0.3	93.3 ± 0.2	94.8 ± 0.1	96.1 ± 0.1	96.8 ± 0.3	96.9 ± 0.3	97.7 ± 0.0
PRO METRIC							
SPADE	83.5 ± 0.4	85.8 ± 0.1	88.3 ± 0.2	89.6 ± 0.1	90.1 ± 0.2	90.1 ± 0.3	90.8 ± 0.1
PaDiM	72.4 ± 1.2	77.8 ± 0.7	82.7 ± 0.2	85.9 ± 0.2	87.5 ± 0.2	88.2 ± 0.2	90.4 ± 0.1
PatchCore-10	82.4 ± 0.3	85.1 ± 0.3	88.7 ± 0.2	90.9 ± 0.1	91.8 ± 0.2	92.0 ± 0.2	93.0 ± 0.1
PatchCore-25	83.7 ± 0.5	86.0 ± 0.3	88.8 ± 0.2	90.9 ± 0.1	91.7 ± 0.1	91.9 ± 0.2	92.8 ± 0.0

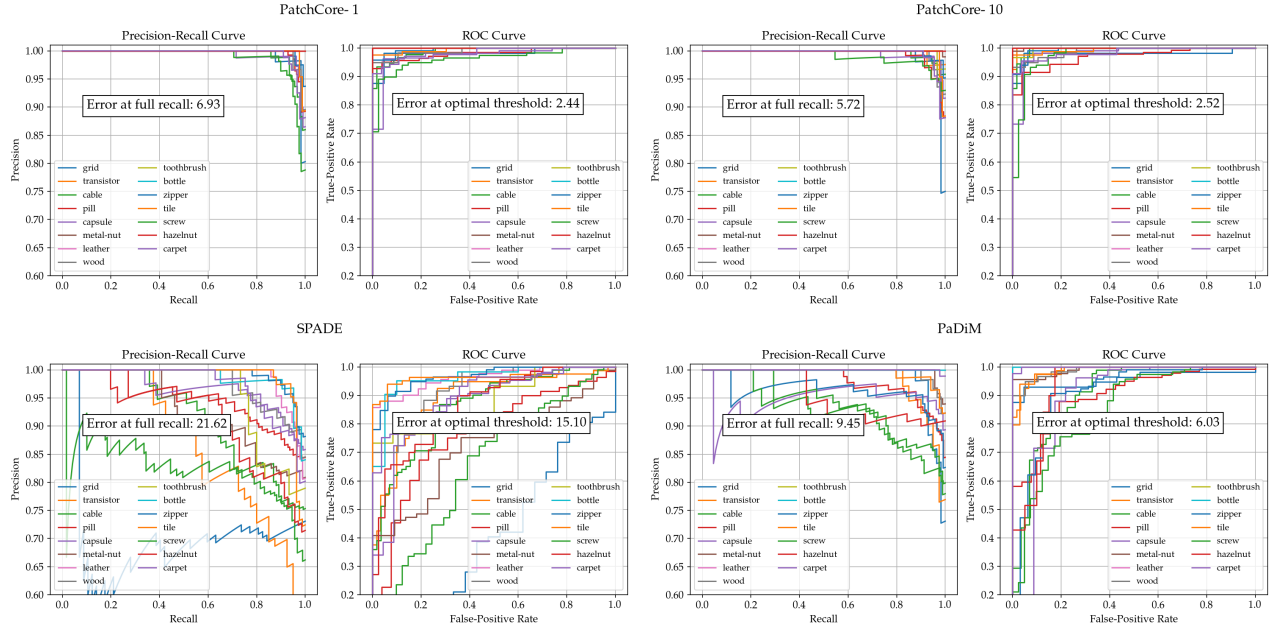


Figure S3. Precision-Recall curves (left) and ROC curves (right) for *PatchCore*, variants and comparable methods SPADE [10] and PaDiM [14]. Different colors in the lines correspond to difference MVTec classes.

Table S5. Low-Shot Anomaly Detection Performance on MVTec [5], as measured on AUROC.

↓ Method \ Shots →	1	2	5	10	16	20	50
Retained %	0.4	0.8	2.1	4.1	6.6	8.3	21
IMAGE-LEVEL AUROC							
SPADE	71.6 ± 0.7	73.4 ± 1.3	75.2 ± 1.5	77.5 ± 1.1	78.9 ± 0.9	79.6 ± 0.8	81.1 ± 0.4
PaDiM	76.1 ± 0.4	78.9 ± 0.6	81.0 ± 0.2	83.2 ± 0.7	85.5 ± 0.6	86.5 ± 0.3	90.1 ± 0.3
DifferNet	-	-	-	-	87.3	-	-
PatchCore-10	83.4 ± 0.6	86.4 ± 0.9	90.8 ± 0.8	93.6 ± 0.6	95.4 ± 0.7	95.8 ± 0.6	97.5 ± 0.3
PatchCore-25	84.1 ± 0.7	87.2 ± 1.0	91.0 ± 0.9	93.8 ± 0.5	95.5 ± 0.6	95.9 ± 0.6	97.7 ± 0.4
PIXEL-LEVEL AUROC							
SPADE	91.9 ± 0.3	93.1 ± 0.2	94.5 ± 0.1	95.4 ± 0.1	95.7 ± 0.2	95.7 ± 0.2	96.2 ± 0.0
PaDiM	88.2 ± 0.3	90.5 ± 0.2	92.5 ± 0.1	93.9 ± 0.1	94.8 ± 0.1	95.1 ± 0.1	96.3 ± 0.0
PatchCore-10	92.0 ± 0.2	93.1 ± 0.2	94.8 ± 0.1	96.2 ± 0.1	96.8 ± 0.3	96.9 ± 0.3	97.8 ± 0.0
PatchCore-25	92.4 ± 0.3	93.3 ± 0.2	94.8 ± 0.1	96.1 ± 0.1	96.8 ± 0.3	96.9 ± 0.3	97.7 ± 0.0
PRO METRIC							
SPADE	83.5 ± 0.4	85.8 ± 0.1	88.3 ± 0.2	89.6 ± 0.1	90.1 ± 0.2	90.1 ± 0.3	90.8 ± 0.1
PaDiM	72.4 ± 1.2	77.8 ± 0.7	82.7 ± 0.2	85.9 ± 0.2	87.5 ± 0.2	88.2 ± 0.2	90.4 ± 0.1
PatchCore-10	82.4 ± 0.3	85.1 ± 0.3	88.7 ± 0.2	90.9 ± 0.1	91.8 ± 0.2	92.0 ± 0.2	93.0 ± 0.1
PatchCore-25	83.7 ± 0.5	86.0 ± 0.3	88.8 ± 0.2	90.9 ± 0.1	91.7 ± 0.1	91.9 ± 0.2	92.8 ± 0.0