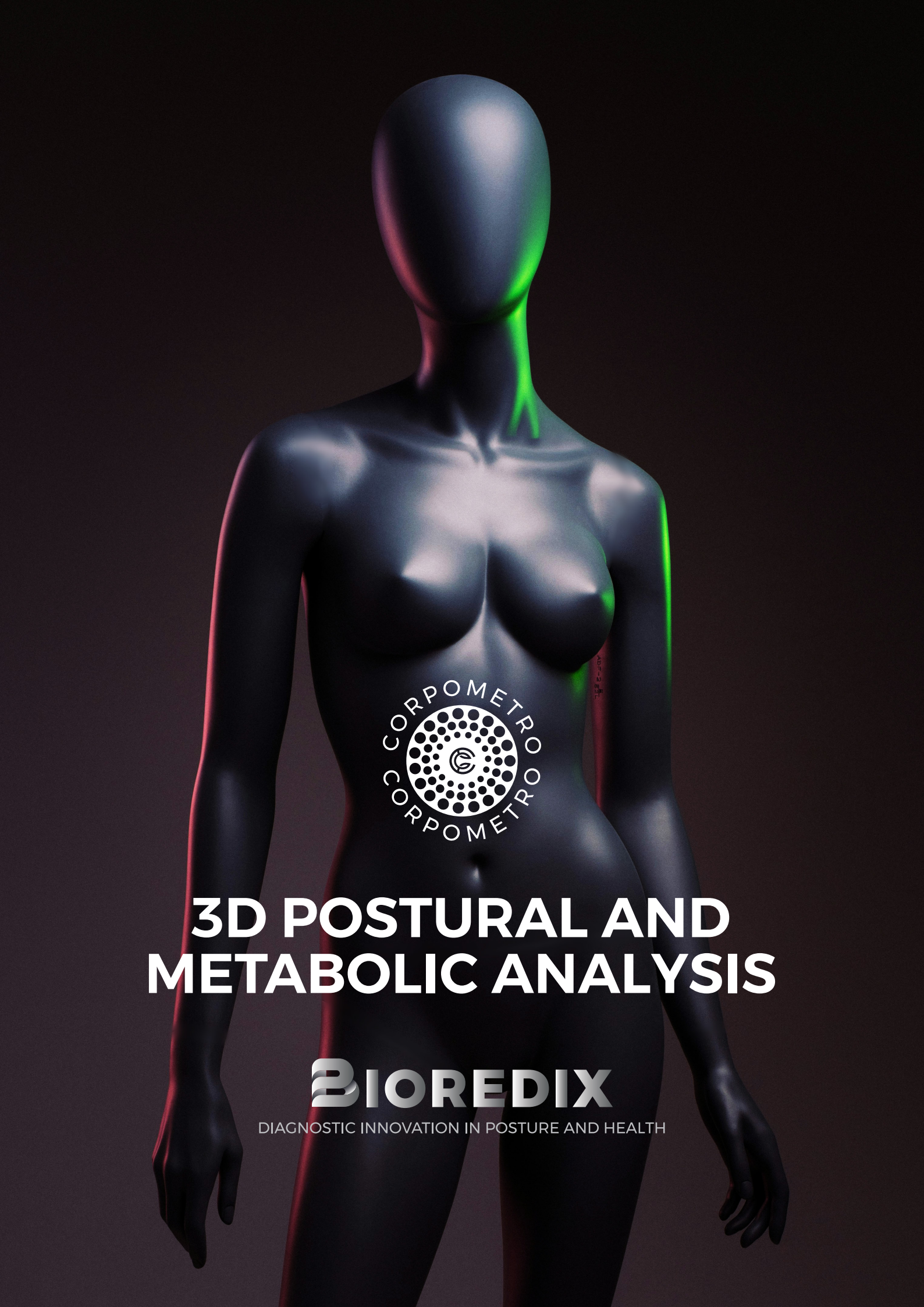
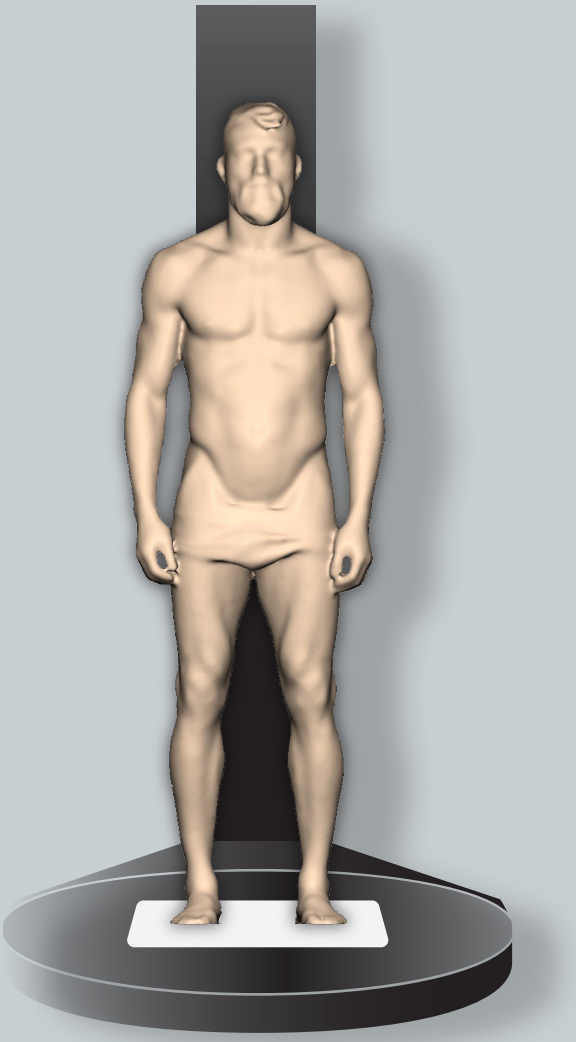


3D POSTURAL AND METABOLIC ANALYSIS

BIOREDIX

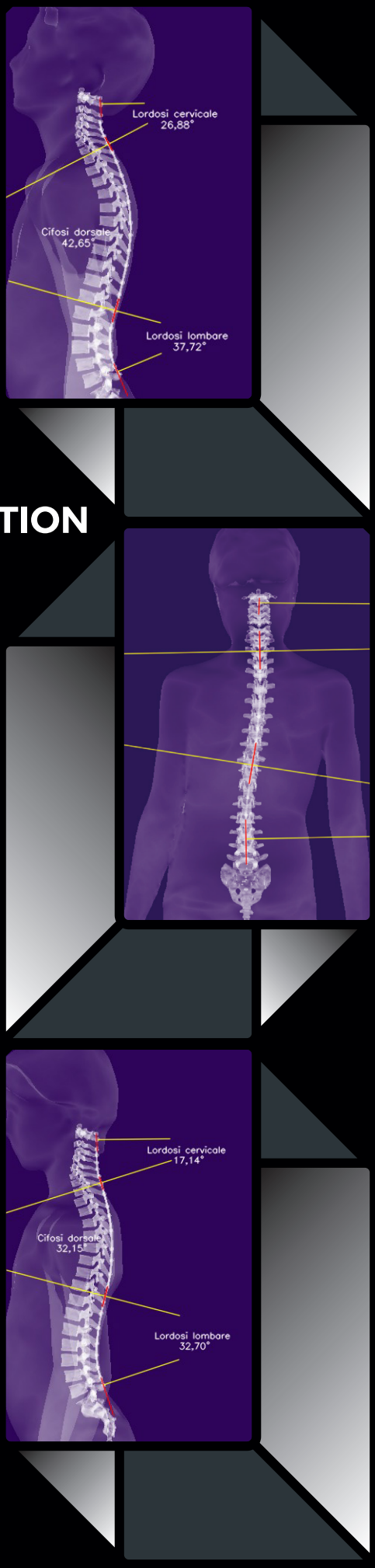
DIAGNOSTIC INNOVATION IN POSTURE AND HEALTH

CORPOMETRO



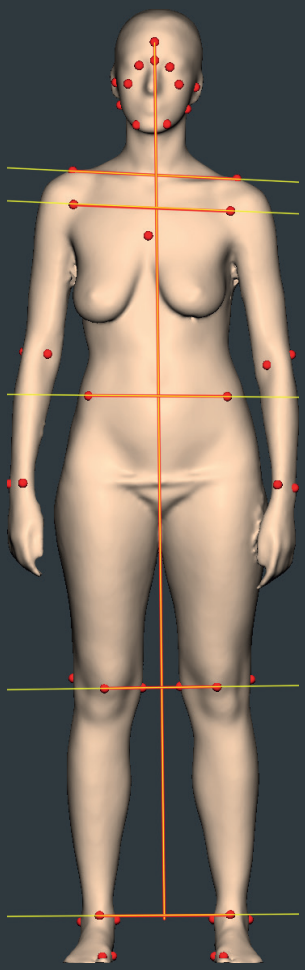
ANTHROPOMETRY REPRESENTS AN INNOVATIVE BREAKTHROUGH IN POSTURAL ANALYSIS AND THE DIAGNOSIS OF SPINAL DEFORMITIES, OFFERING A COMPLETE THREE-DIMENSIONAL VIEW OF THE PATIENT'S BODY

3D RECONSTRUCTION OF THE SPINE



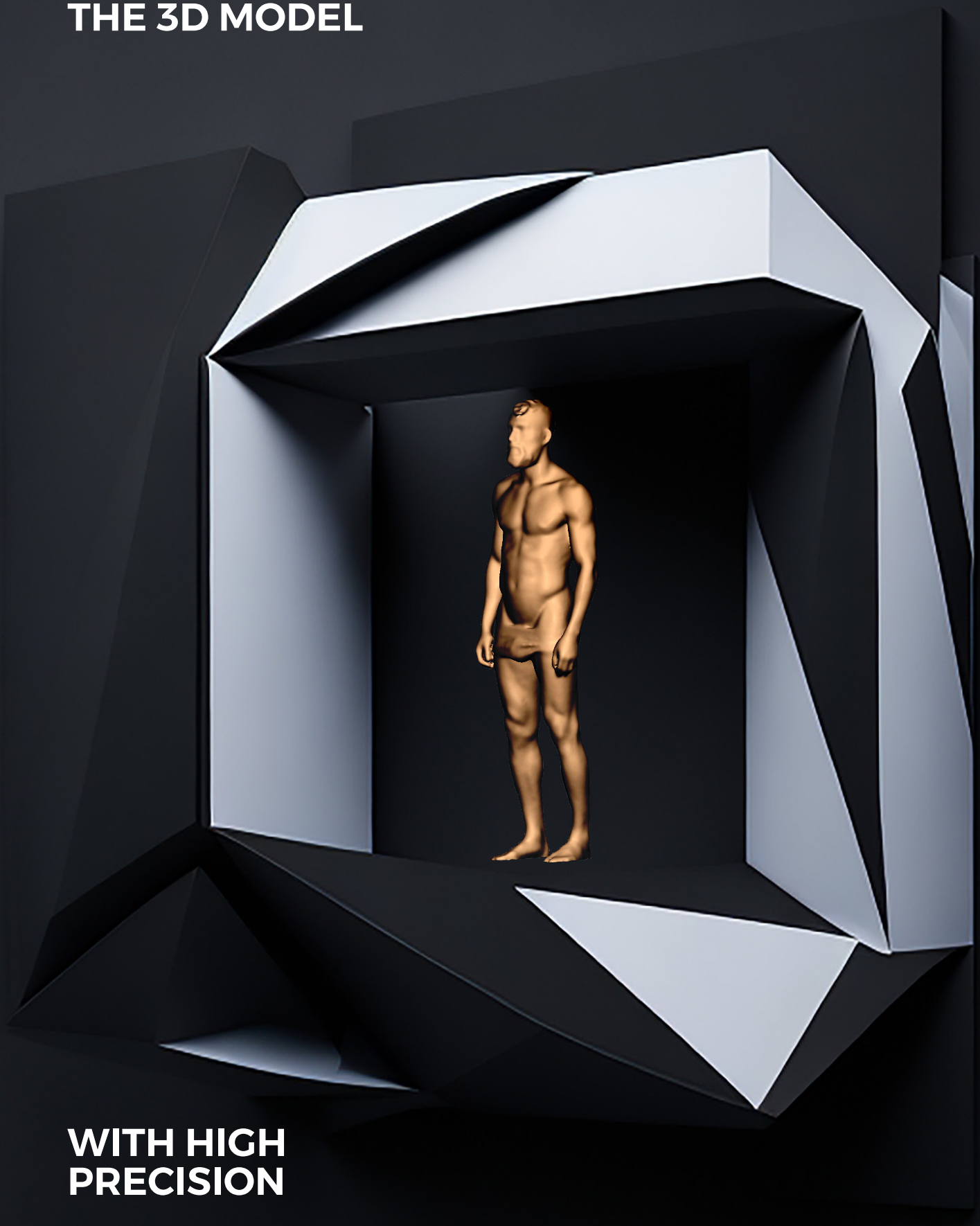
THREE-DIMENSIONAL POSTURAL
EXAMINATION IN JUST 30 SECONDS
WITHOUT X-RAYS

FRONT ANTERIOR PLANE SYMMETRIES AND LENGTHS



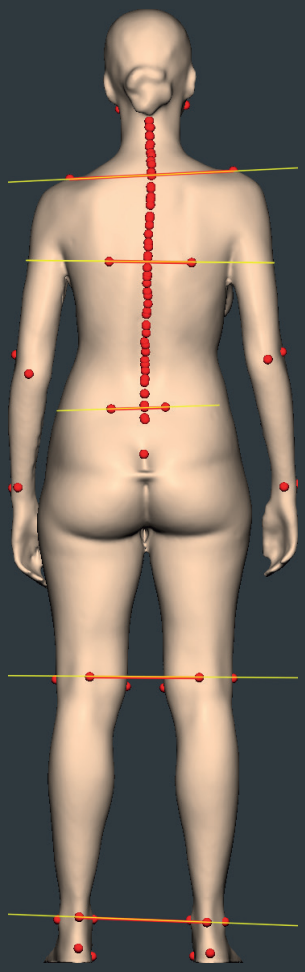
PROPERTY	UNIT	VALUE	NOTES
Body Height	cm	165.3	-
Body Weight Distribution	kg %	53.7	(Right) 47% - 53% (Left)
Longitudinal Alignment	mm	17	Inclined to the right
Cranial Alignment	mm	-	Facing forward
Ocular Alignment	mm	-	Right > Left
Zygomatic Alignment	mm	-	Right > Left
Shoulder Alignment	mm	10	Right > Left
Pelvic Alignment	mm	5	Right > Left
Sternal Alignment	mm	4	Right > Left
Rotuleal Angle (Right)	°	179.2	Right kneecap angle (VPN = 180° (±3°) – VPN = ±10°)
Rotuleal Angle (Left)	°	177.7	Left kneecap angle (VPN = 180° (±3°) – VPN = ±10°)
Malleolar Alignment	mm	1	Right > Left
Intermalleolar Angle	mm	tbd	-
Upper Limb Symmetry	mm	2.9	Upper limb Left < Right
Lower Limb Symmetry	mm	5.6	Lower limb Left > Right
Thigh Length (Left)	cm	24.7	Left thigh < Right
Thigh Length (Right)	cm	24.9	-
Leg Length (Left)	cm	40.7	-
Leg Length (Right)	cm	39.9	Left leg > Right

AUTOMATIC
PROCESSING OF
THE 3D MODEL



WITH HIGH
PRECISION

FRONT POSTERIOR PLANE SYMMETRIES AND LENGTHS



PROPERTY	UNIT	VALUE	NOTES
Trunk Length	CM	69.1	From C7 to gluteal fold
Scapular Alignment	MM	1	Right > Left
Iliac Crest Alignment	MM	TBD	Crests
SIJ Alignment	MM	3	Right > Left
Gluteal Fold Alignment	MM	5	Right > Left
Popliteal Alignment	MM	1	Right > Left
Retropied Axis Alignment (Left)	-	1.9	CV (inward)
Retropied Axis Alignment (Right)	-	1.3	CCV (inward)

CORPOMETRO

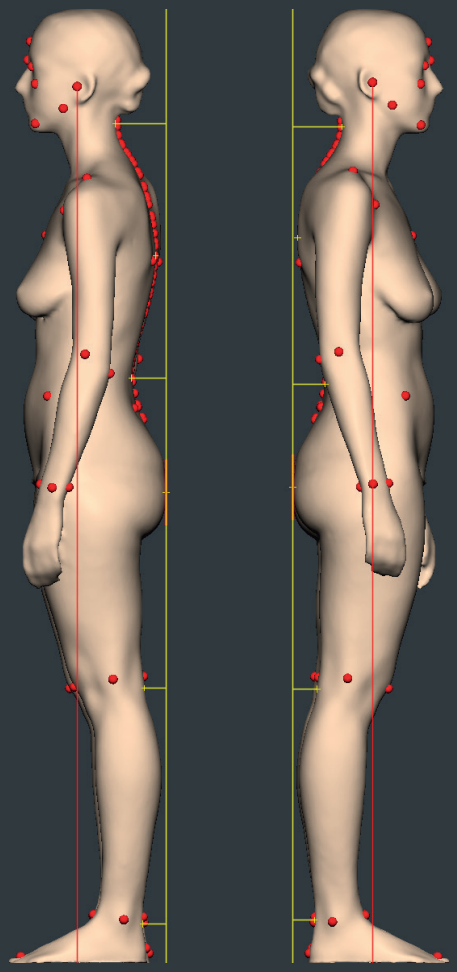
STRUCTURAL ANTHROPOMETRY

METABOLIC ANTHROPOMETRY

COMPLETE POSTURAL ASSESSMENT

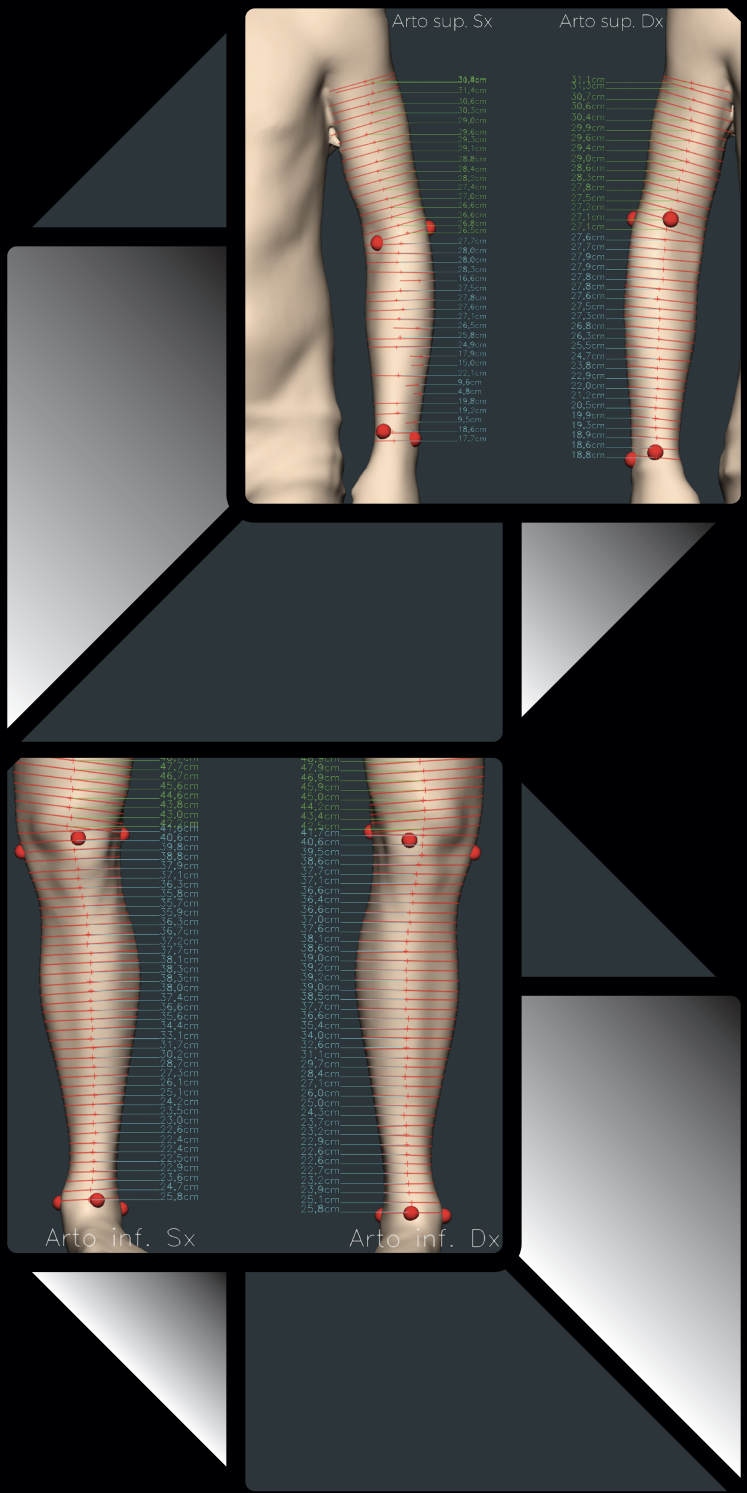
CLINICAL AND SPORTS PREVENTION

SAGITTAL PLANE SYMMETRIES AND LENGTHS



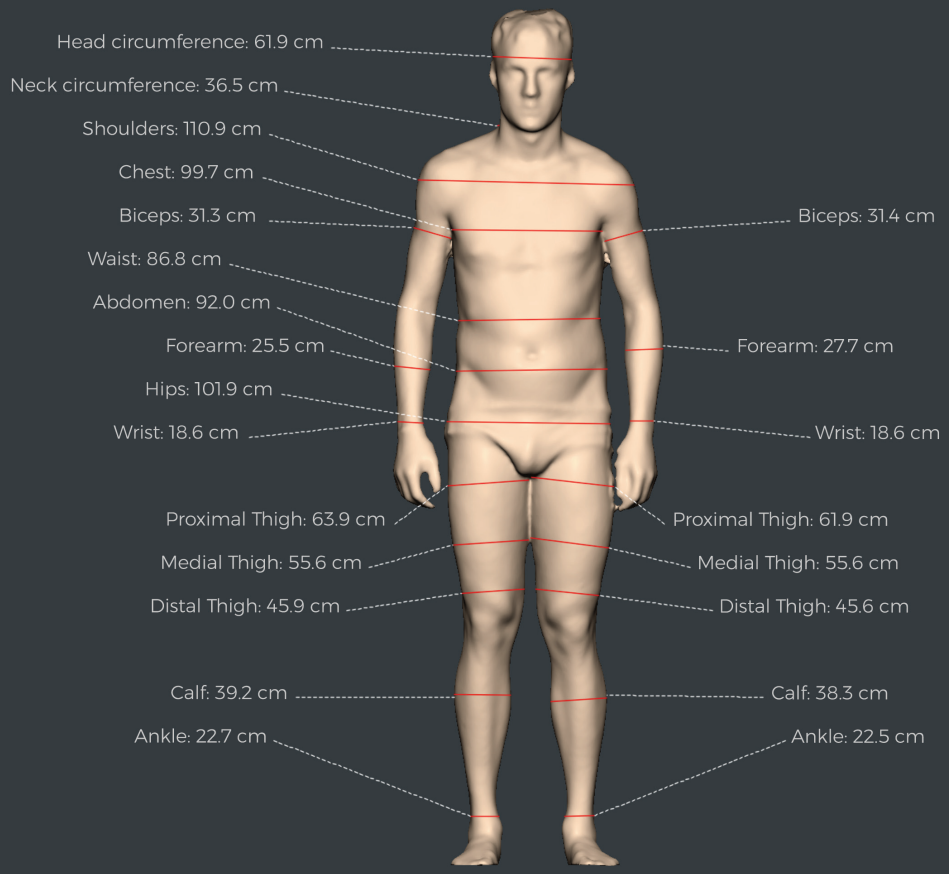
PROPERTY	UNIT	VALUE	NOTES
Cranial Flexion Angle	-	23.0	Facing forward
Mandibular Angle (Right)	°	166.3	-
Mandibular Angle (Left)	°	150.8	-
Cervical Arrow (Right)	mm	84	Retroposture
Cervical Arrow (Left)	mm	87	Retroposture
Dorsal Arrow (Right)	mm	8	Retroposture
Dorsal Arrow (Left)	mm	18	Retroposture
Lumbar Arrow (Right)	mm	55	Retroposture
Lumbar Arrow (Left)	mm	60	Retroposture
Malleolar Arrow (Right)	mm	37	Retroposture
Malleolar Arrow (Left)	mm	40	Retroposture
Popliteal Arrow (Right)	mm	41	Retroposture
Popliteal Arrow (Left)	mm	38	Retroposture

UPPER AND LOWER LIMB VOLUMETRY



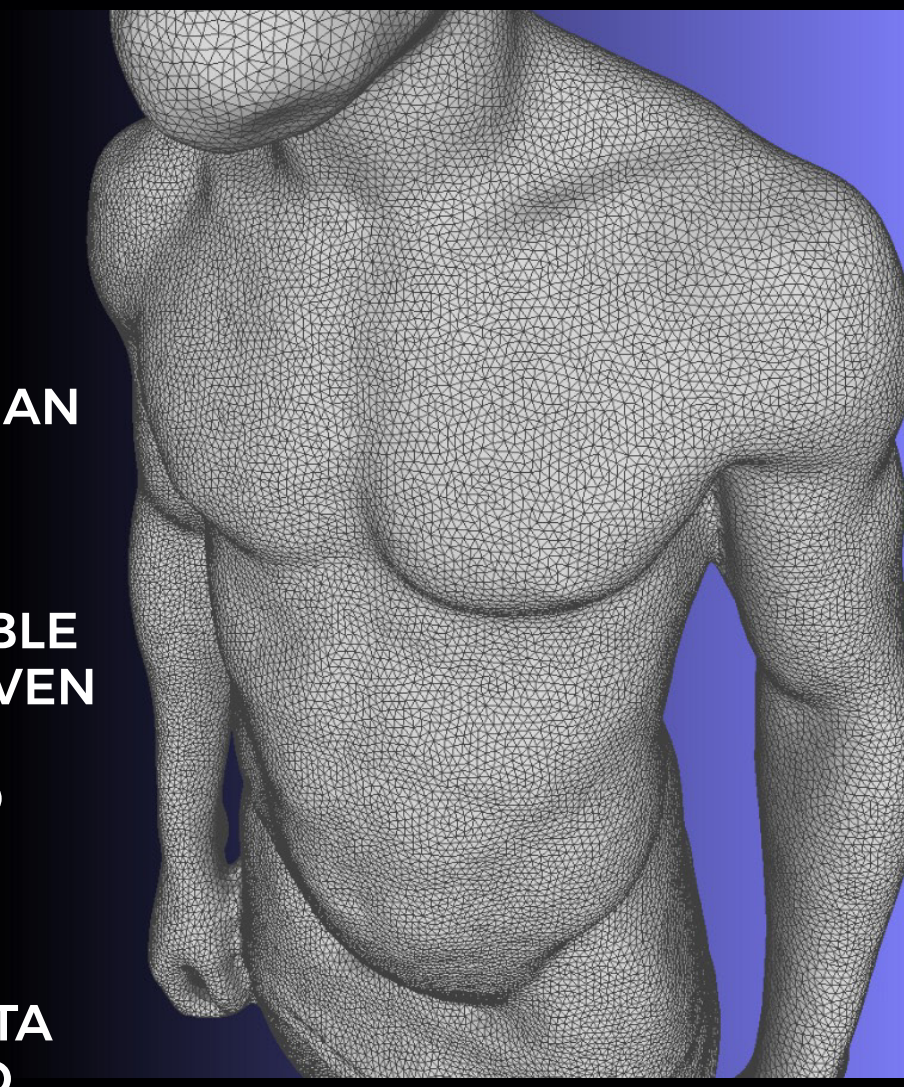
BODY CIRCUMFERENCES – BODY SYMMETRIES
LIMB LENGTHS – METABOLIC VALUES
MUSCLE CHAINS – GLOBAL PHYSICAL HEALTH INDEX

CIRCUMFERENCES AND METABOLIC PARAMETERS



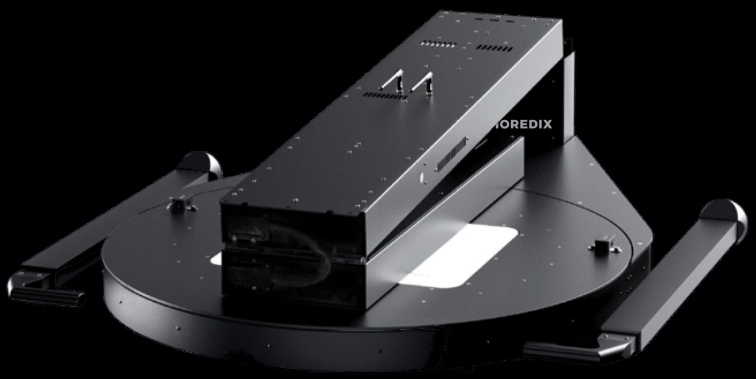
CHARACTERISTIC
Height
Weight
Weight Distribution (Left/Right)
Body Mass Index (BMI)
Waist-Height Ratio (WHtR)
Waist-Hip Ratio (WHR)
Body Fat Percentage (BF%)
Body Adiposity Index (BAI)
Fat-Free Mass Index (FFMI)
Lean Mass Percentage (BF%)
Basal Metabolism (BMR)
Bonora's Metabolic Formula
Body Shape Index (ABSI)
ABSI-z-score
Body Roundness Index (BRI)
Form Weight
Ideal Weight
Hydration Index (TBW%)
Arm Muscle Area (AMBA Apical)
Global Health Index (IGSF)

CORPOMETRO



HIGH-PRECISION MEASUREMENTS ACCURATE MEASUREMENTS DOWN TO LESS THAN ONE MILLIMETER, ALLOWING HIGH-PRECISION DETECTION CAPABLE OF IDENTIFYING EVEN THE SMALLEST ANATOMICAL AND POSTURAL VARIATIONS, PROVIDING HIGH-QUALITY DATA FOR CLINICAL AND DIAGNOSTIC INSIGHTS.

MEDICAL DEVICE CLASS I-II

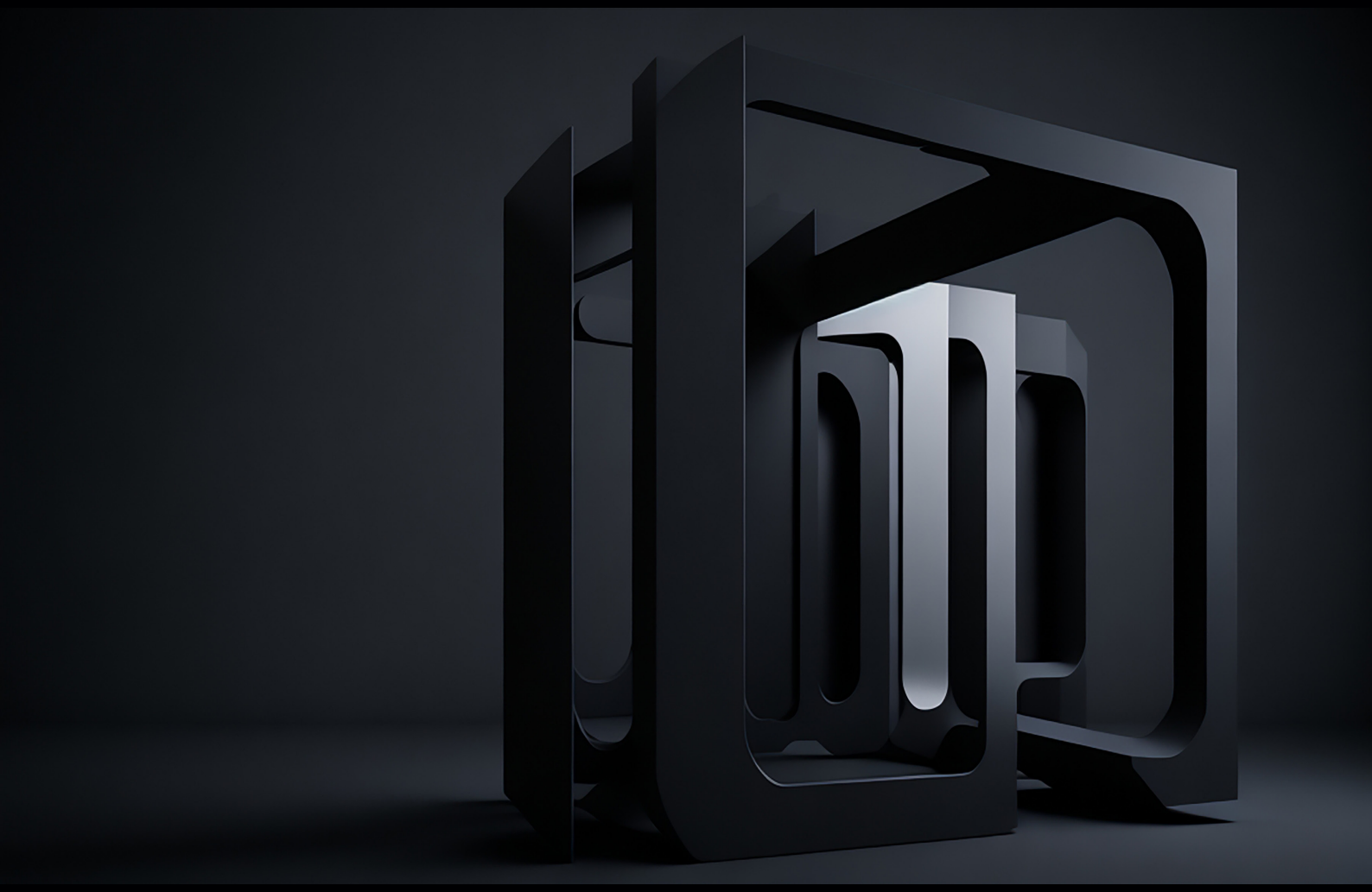


PORTABLE SYSTEM

TECHNICAL SPECIFICATIONS
SPECIFICATION VALUE

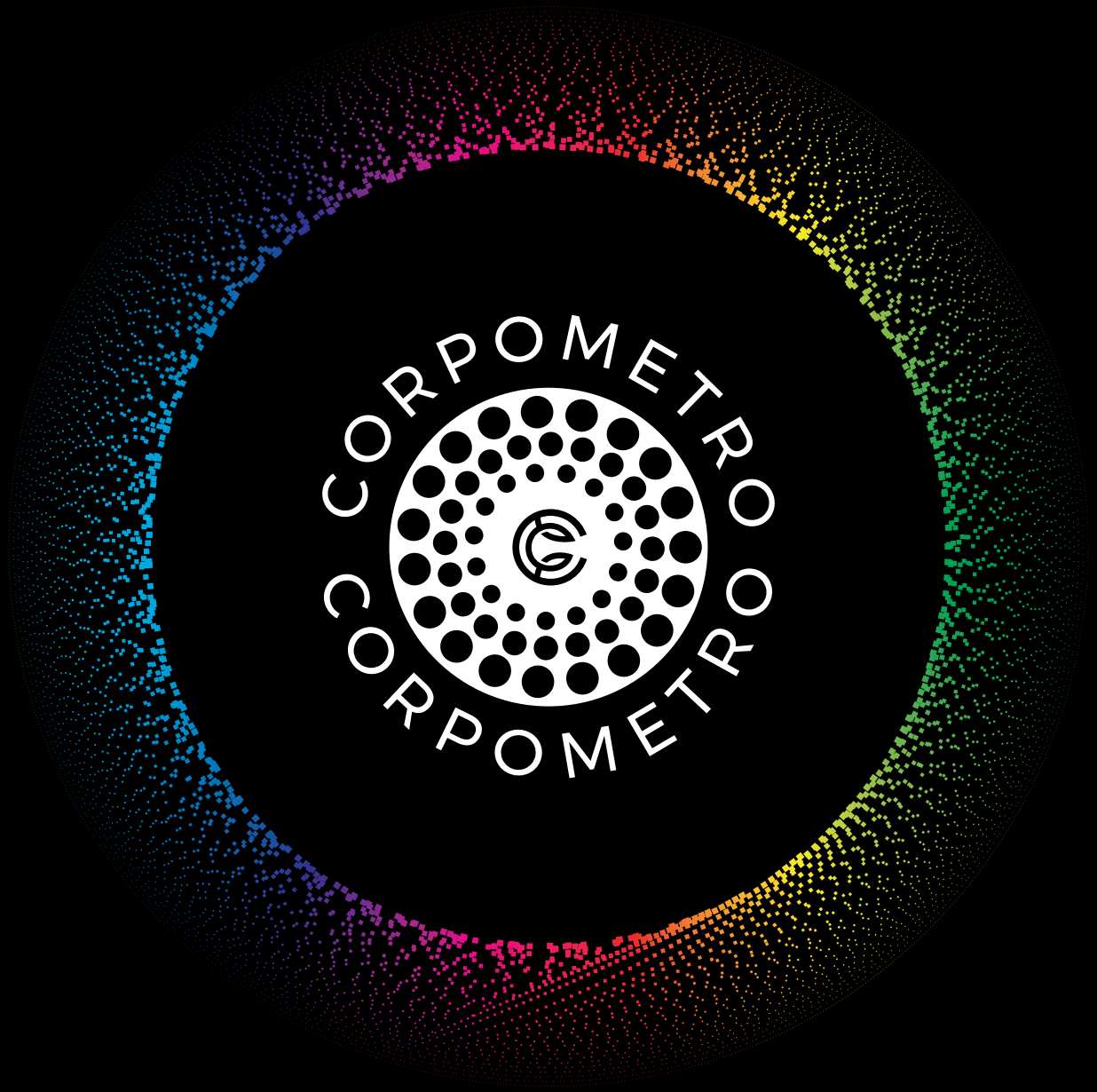
LOAD CAPACITY	160 KG
POWER SUPPLY	220V
SYSTEM WEIGHT	45 KG
SYSTEM WIDTH	81 CM
SYSTEM HEIGHT	200 CM
SYSTEM DEPTH	116 CM
PLATFORM HEIGHT	7 CM

REHASCAN3D



REHASCAN 3D SOFTWARE
5 ON-DEMAND MODULES

- POSTURE
- SPINE
- CHAIN
- ALTIMETRY
- REPORT



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INNOVATION IN DIAGNOSTIC POSTURE AND HEALTH

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