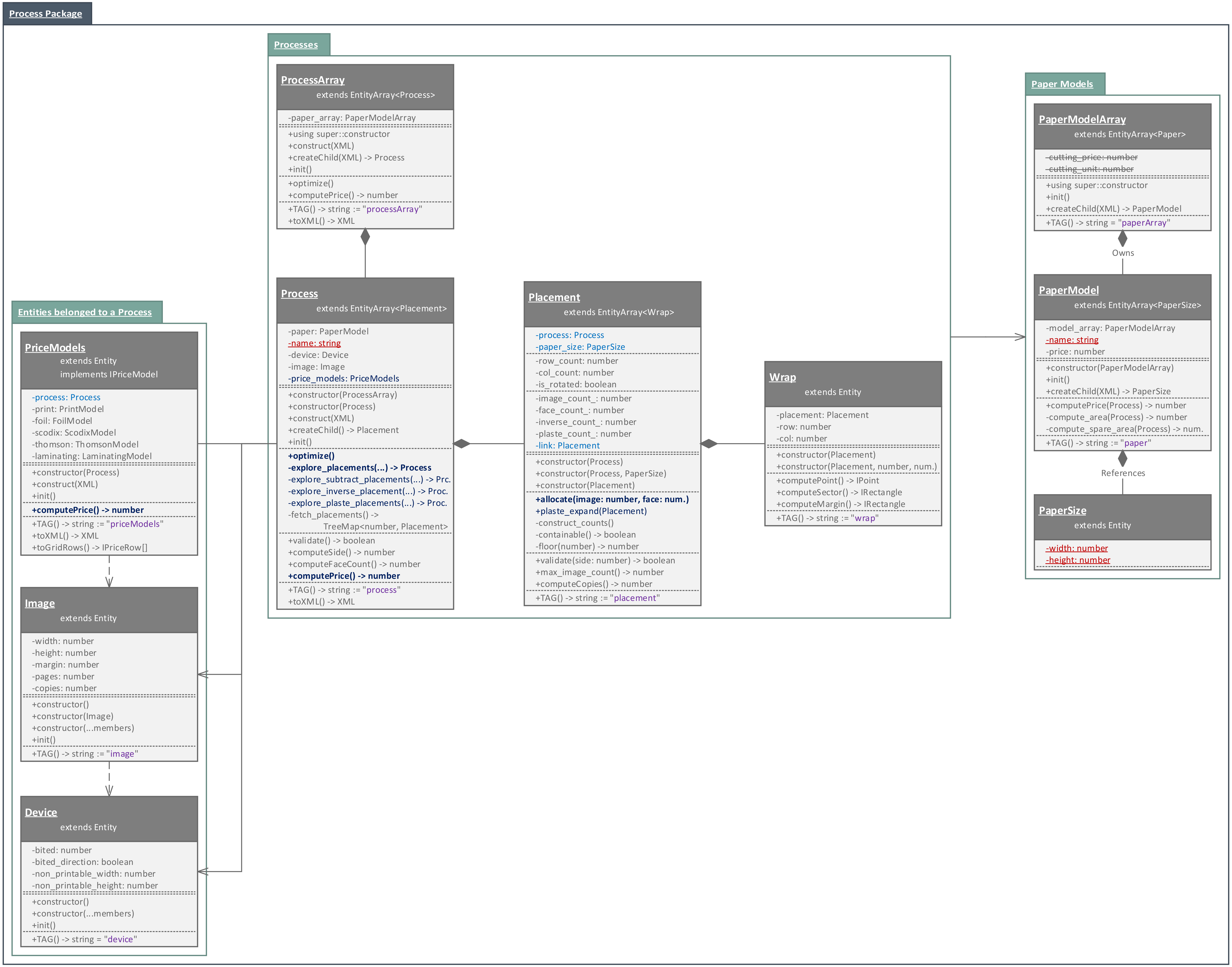


Process Package

Processes

ProcessArray
extends EntityArray<Process>

-paper_array: PaperModelArray

+using super::constructor
+construct(XML)
+createChild(XML) -> Process
+init()

+optimize()
+computePrice() -> number

+TAG() -> string := "processArray"
+toXML() -> XML

Process
extends EntityArray<Placement>

-paper: PaperModel
-name: string
-device: Device
-image: Image
-price_models: PriceModels

+constructor(ProcessArray)
+constructor(Process)
+construct(XML)
+createChild() -> Placement
+init()

+optimize()
-explore_placements(...) -> Process
-explore_subtract_placements(...) -> Prc.
-explore_inverse_placement(...) -> Proc.
-explore_plaste_placements(...) -> Proc.
-fetch_placements() ->
TreeMap<number, Placement>

+validate() -> boolean
+computeSide() -> number
+computeFaceCount() -> number
+computePrice() -> number

+TAG() -> string := "process"
+toXML() -> XML

Placement
extends EntityArray<Wrap>

-process: Process
-paper_size: PaperSize

-row_count: number
-col_count: number
-is_rotated: boolean

-image_count_: number
-face_count_: number
-inverse_count_: number
-plaste_count_: number
-link: Placement

+constructor(Process)
+constructor(Process, PaperSize)
+constructor(Placement)

+allocate(image: number, face: num.)
+plaste_expand(Placement)
-construct_counts()
-containable() -> boolean
-floor(number) -> number

+validate(side: number) -> boolean
+max_image_count() -> number
+computeCopies() -> number

+TAG() -> string := "placement"

Wrap
extends Entity

-placement: Placement
-row: number
-col: number

+constructor(Placement)
+constructor(Placement, number, num.)

+computePoint() -> IPoint
+computeSector() -> IRectangle
+computeMargin() -> IRectangle

+TAG() -> string := "wrap"

Entities belonged to a Process

PriceModels
extends Entity
implements IPriceModel

-process: Process
-print: PrintModel
-foil: FoilModel
-scodix: ScodixModel
-thomson: ThomsonModel
-laminating: LaminatingModel

+constructor(Process)
+construct(XML)
+init()

+computePrice() -> number

+TAG() -> string := "priceModels"
+toXML() -> XML
+toGridRows() -> IPriceRow[]

Image
extends Entity

-width: number
-height: number
-margin: number
-pages: number
-copies: number

+constructor()
+constructor(Image)
+constructor(...members)
+init()

+TAG() -> string := "image"

Device
extends Entity

-bited: number
-bited_direction: boolean
-non_printable_width: number
-non_printable_height: number

+constructor()
+constructor(...members)
+init()

+TAG() -> string = "device"

Paper Models

PaperModelArray
extends EntityArray<Paper>

~~-cutting_price: number~~
~~-cutting_unit: number~~

+using super::constructor
+init()
+createChild(XML) -> PaperModel

+TAG() -> string = "paperArray"

Owns

PaperModel
extends EntityArray<PaperSize>

-model_array: PaperModelArray
-name: string
-price: number

+constructor(PaperModelArray)
+init()
+createChild(XML) -> PaperSize

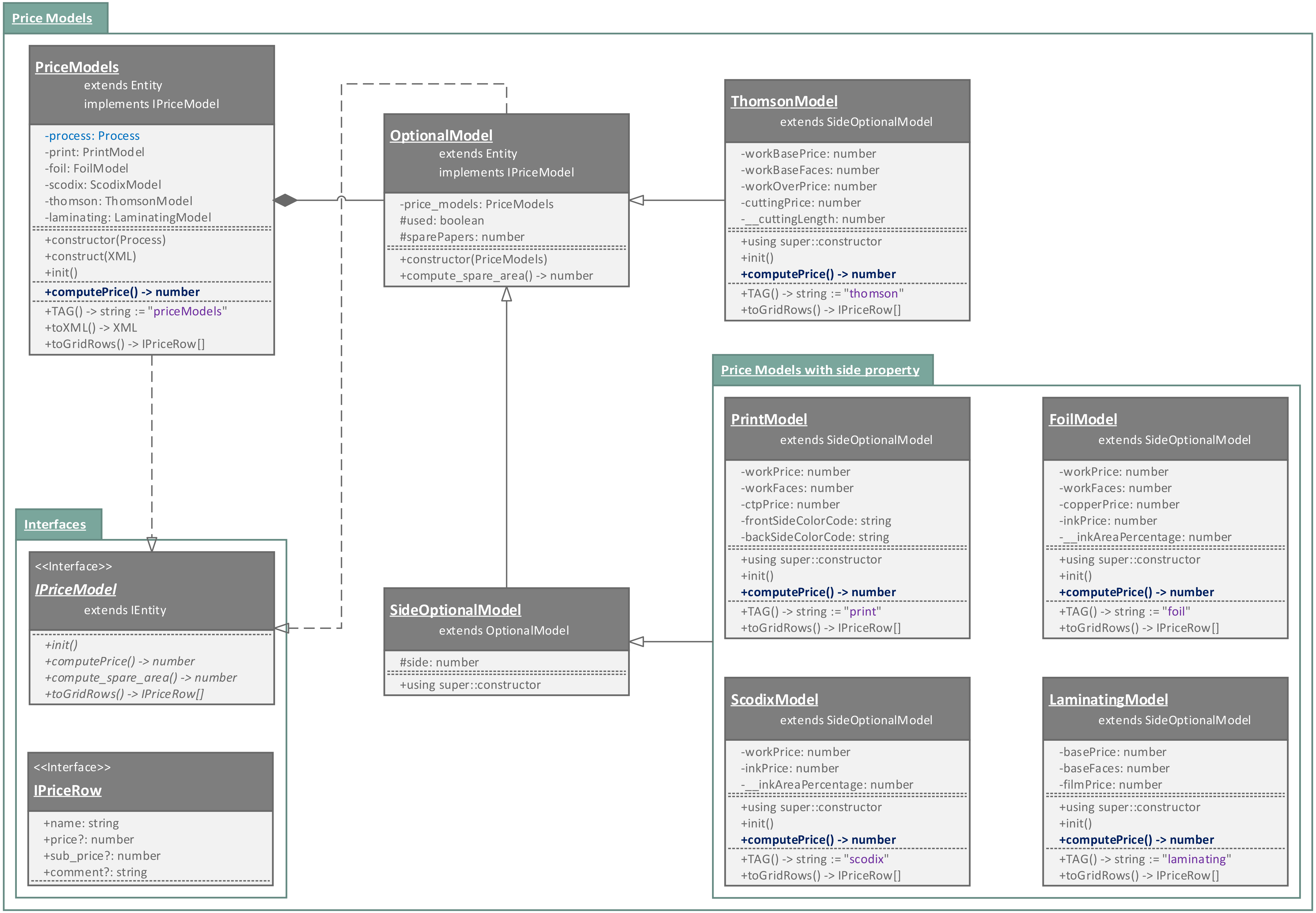
+computePrice(Process) -> number
-compute_area(Process) -> number
-compute_spare_area(Process) -> num.

+TAG() -> string := "paper"

References

PaperSize
extends Entity

-width: number
-height: number



Price Models

PriceModels
extends Entity
implements IPriceModel

-process: Process
-print: PrintModel
-foil: FoilModel
-scodix: ScodixModel
-thomson: ThomsonModel
-laminating: LaminatingModel

+constructor(Process)
+construct(XML)
+init()

+computePrice() -> number

+TAG() -> string := "priceModels"
+toXML() -> XML
+toGridRows() -> IPriceRow[]

OptionalModel
extends Entity
implements IPriceModel

-price_models: PriceModels
#used: boolean
#sparePapers: number

+constructor(PriceModels)
+compute_spare_area() -> number

ThomsonModel
extends SideOptionalModel

-workBasePrice: number
-workBaseFaces: number
-workOverPrice: number
-cuttingPrice: number
-__cuttingLength: number

+using super::constructor
+init()
+computePrice() -> number

+TAG() -> string := "thomson"
+toGridRows() -> IPriceRow[]

Price Models with side property

PrintModel
extends SideOptionalModel

-workPrice: number
-workFaces: number
-ctpPrice: number
-frontSideColorCode: string
-backSideColorCode: string

+using super::constructor
+init()
+computePrice() -> number

+TAG() -> string := "print"
+toGridRows() -> IPriceRow[]

FoilModel
extends SideOptionalModel

-workPrice: number
-workFaces: number
-copperPrice: number
-inkPrice: number
-__inkAreaPercentage: number

+using super::constructor
+init()
+computePrice() -> number

+TAG() -> string := "foil"
+toGridRows() -> IPriceRow[]

ScodixModel
extends SideOptionalModel

-workPrice: number
-inkPrice: number
-__inkAreaPercentage: number

+using super::constructor
+init()
+computePrice() -> number

+TAG() -> string := "scodix"
+toGridRows() -> IPriceRow[]

LaminatingModel
extends SideOptionalModel

-basePrice: number
-baseFaces: number
-filmPrice: number

+using super::constructor
+init()
+computePrice() -> number

+TAG() -> string := "laminating"
+toGridRows() -> IPriceRow[]

SideOptionalModel
extends OptionalModel

#side: number

+using super::constructor

Interfaces

<<Interface>>
IPriceModel
extends IEntity

+init()
+computePrice() -> number
+compute_spare_area() -> number
+toGridRows() -> IPriceRow[]

<<Interface>>
IPriceRow

+name: string
+price?: number
+sub_price?: number
+comment?: string